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RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

LS ANSWER 9 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 2001:676749 CAPLUS

DN 135:242140

TI Preparation of N-piperidinyl-N-alkyl-acetamides and N,N,N'-substituted ureas as 5-HT2A inverse agonists/antagonists

IN Andersson, Carl M.; Croston, Glenn; Hansen, E. L.; Uldam, A. K.

PA Acadia Pharmaceuticals, Inc., USA

SO PCT Int. Appl., 150 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2001066521	A1	20010913	WO 2001-US7187	20010306
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US	2002004513	A1	20020110	US 2000-187289PP	20000306
				US 2001-800096	20010306
				US 2000-187289PP	20000306
EP	1263729	A1	20021211	EP 2001-914716	20010306
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
				US 2000-187289PP	20000306
				WO 2001-US7187 W	20010306

OS MARPAT 135:242140

IT 359877-51-3P 359877-74-0P 359877-77-3P

359877-79-5P 359877-82-0P 359877-85-3P

359877-88-6P 359877-90-0P 359877-93-3P

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359878-03-8P 359878-04-9P 359878-05-0P

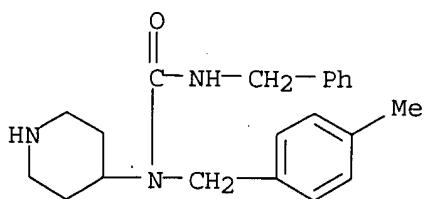
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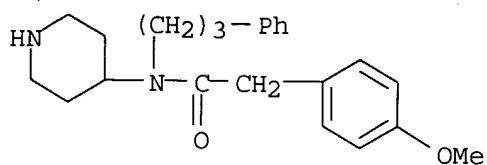
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) (drug; prepn. of N-piperidinyl-N-alkyl-aryl-acetamides and N,N,N'-substituted ureas as 5-HT2A inverse agonists)

RN 359877-51-3 CAPLUS

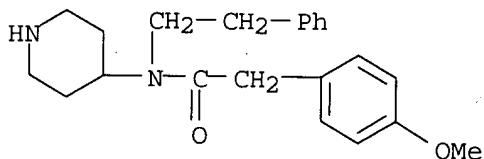
CN Urea, N-[(4-methylphenyl)methyl]-N'-(phenylmethyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



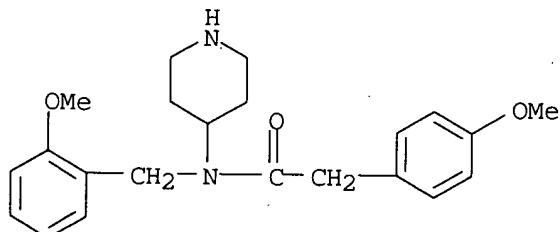
RN 359877-74-0 CAPLUS
 CN Benzeneacetamide, 4-methoxy-N-(3-phenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



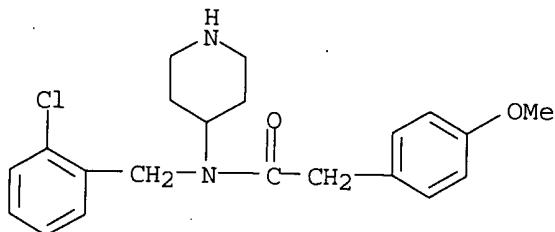
RN 359877-77-3 CAPLUS
 CN Benzeneacetamide, 4-methoxy-N-(2-phenylethyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 359877-79-5 CAPLUS
 CN Benzeneacetamide, 4-methoxy-N-[(2-methoxyphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

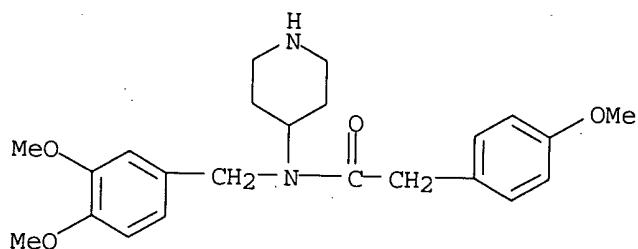


RN 359877-82-0 CAPLUS
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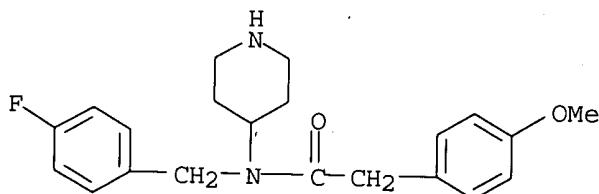
RN 359877-85-3 CAPLUS

CN Benzeneacetamide, N-[(3,4-dimethoxyphenyl)methyl]-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



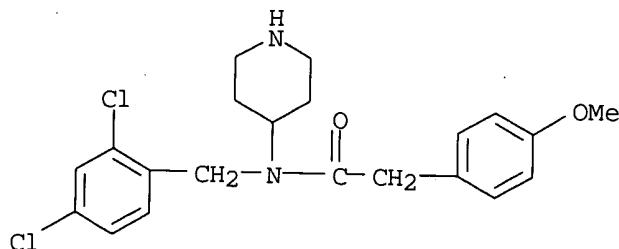
RN 359877-88-6 CAPLUS

CN Benzeneacetamide, N-[(4-fluorophenyl)methyl]-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 359877-90-0 CAPLUS

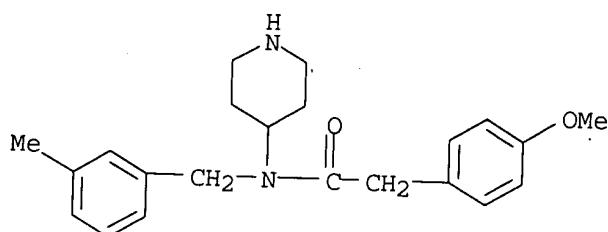
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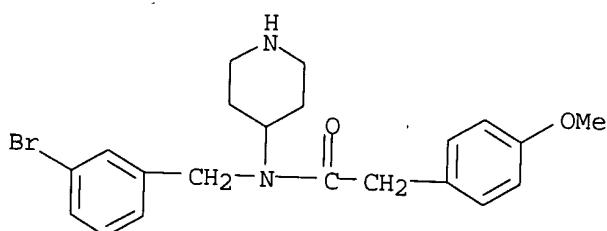
RN 359877-93-3 CAPLUS

CN Benzeneacetamide, 4-methoxy-N-[(3-methylphenyl)methyl]-N-4-piperidinyl-

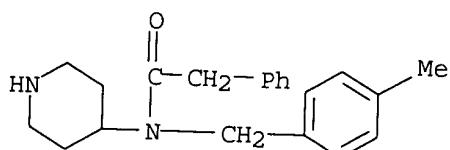
(9CI) (CA INDEX NAME)



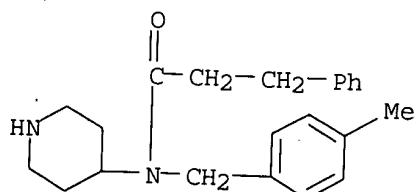
RN 359877-96-6 CAPLUS

CN Benzeneacetamide, N-[(3-bromophenyl)methyl] -4-methoxy-N-4-piperidinyl-
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RN 359878-01-6 CAPLUS

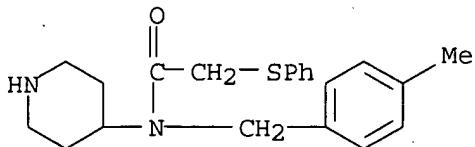
CN Benzeneacetamide, N- [(4-methylphenyl)methyl] -N-4-piperidinyl- (9CI) (CA
INDEX NAME)

RN 359878-02-7 CAPLUS

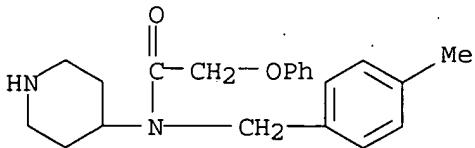
CN Benzenepropanamide, N- [(4-methylphenyl)methyl] -N-4-piperidinyl- (9CI) (CA
INDEX NAME)

RN 359878-03-8 CAPLUS

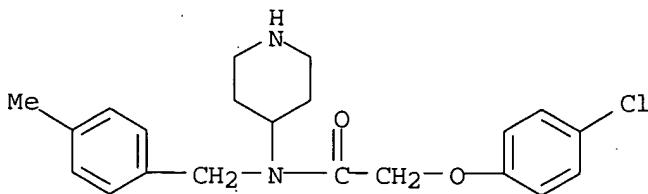
CN Acetamide, N- [(4-methylphenyl)methyl] -2- (phenylthio) -N-4-piperidinyl-
(9CI) (CA INDEX NAME)



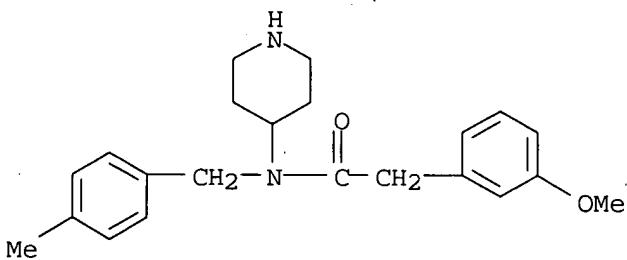
RN 359878-04-9 CAPLUS
 CN Acetamide, N-[(4-methylphenyl)methyl]-2-phenoxy-N-4-piperidinyl- (9CI)
 (CA INDEX NAME)



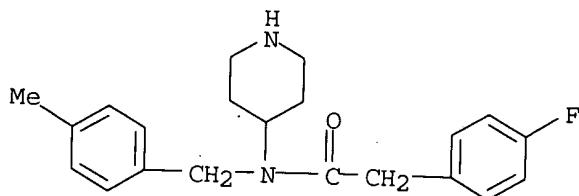
RN 359878-05-0 CAPLUS
 CN Acetamide, 2-(4-chlorophenoxy)-N-[(4-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



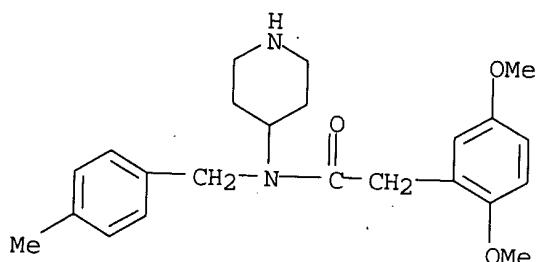
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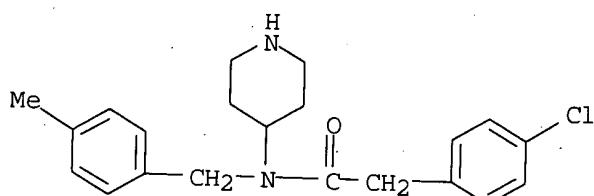
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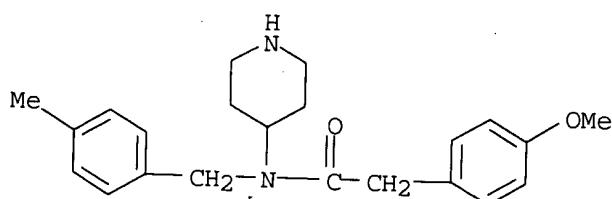
RN 359878-08-3 CAPLUS

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RN 359878-09-4 CAPLUS

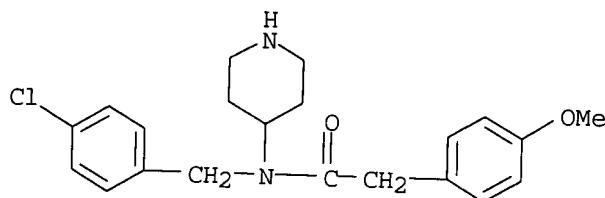
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RN 359878-14-1 CAPLUS

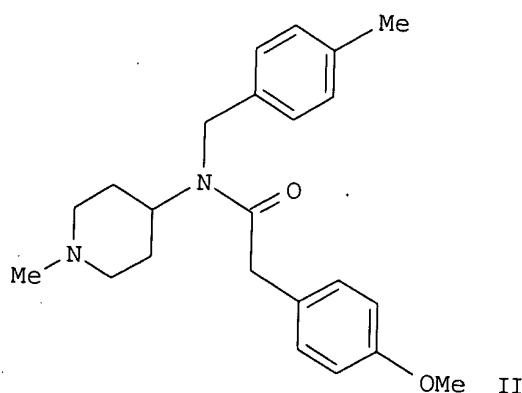
CN Benzeneacetamide, 4-methoxy-N-[(4-methylphenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 359878-31-2 CAPLUS

CN Benzeneacetamide, N-[(4-chlorophenyl)methyl]-4-methoxy-N-4-piperidinyl-
(9CI) (CA INDEX NAME)



GI



AB Title compds. Ar₁-Y₂-Y₁-N(Z)-C:W-X₁-X₂-Ar₂ [Z = NR-substituted piperidinyl, tropanyl, azetidinyl, etc.; R = H, cyclic/straight-chain acyclic organyl group, hydroxyalkyl, aminoalkyl, aralkyl or heteroaralkyl group; X₁ = CH₂, vinylene, NH or N-alkyl; X₂ = CH₂, or, when X₁ = CH₂ or vinylene, X₂ = CH₂ or a bond; or when X₁ is CH₂, X₂ = O, S, NH, N(lower alkyl) or a bond; Y₁ = CH₂ and Y₂ = CH₂, vinylene, ethylene, propylene, bond; or Y₁ = bond and Y₂ = vinylene; or Y₁ = ethylene and Y₂ = O, S, NH, N(lower alkyl); Ar₁ and Ar₂ = (un)substituted (hetero)aryl provided that Ar₁ and Ar₂ are not simultaneously phenyl; W = O, S; I] were prep'd. Examples include over 130 compds. synthesized, 5 serotonin receptor binding assays and 3 in-vivo models. For instance, 4-methylbenzylamine was reductively alkylated with 1-methyl-4-piperidone (MeOH, HOAc, NaCNBH₃, 20 h., room temp.). The resulting amine was alkylated with 4-methoxyphenylacetyl chloride (DCM, 4 h., room temp.) to give II, isolated as the hydrochloride salt and subsequently purified by chromatog. Many of the examples had pIC₅₀ (-log IC₅₀) = 7.8 - 9.0 for HT2A. I are used for the treatment of disease in which modification of serotonergic receptor activity has a beneficial effect.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 10 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 2001:453019 CAPLUS
DN 135:46106
TI 4-Aminopiperidine derivatives, processes for their preparation, pharmaceutical compositions, and their use as medicines, specifically as somatostatin receptor ligands
IN Thurieu, Christophe; Gonzalez, Jerome; Moinet, Christophe
PA Societe de Conseils de Recherches et d'Applications Scientifiques

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| NEWS 4 Aug 08 | PHARMAMarketLetter(PHARMAML) - new on STN |
| NEWS 5 Aug 19 | Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN |
| NEWS 6 Aug 26 | Sequence searching in REGISTRY enhanced |
| NEWS 7 Sep 03 | JAPIO has been reloaded and enhanced |
| NEWS 8 Sep 16 | Experimental properties added to the REGISTRY file |
| NEWS 9 Sep 16 | CA Section Thesaurus available in CAPLUS and CA |
| NEWS 10 Oct 01 | CASREACT Enriched with Reactions from 1907 to 1985 |
| NEWS 11 Oct 24 | BEILSTEIN adds new search fields |
| NEWS 12 Oct 24 | Nutraceuticals International (NUTRACEUT) now available on STN |
| NEWS 13 Nov 18 | DKILIT has been renamed APOLLIT |
| NEWS 14 Nov 25 | More calculated properties added to REGISTRY |
| NEWS 15 Dec 04 | CSA files on STN |
| NEWS 16 Dec 17 | PCTFULL now covers WP/PCT Applications from 1978 to date |
| NEWS 17 Dec 17 | TOXCENTER enhanced with additional content |
| NEWS 18 Dec 17 | Adis Clinical Trials Insight now available on STN |
| NEWS 19 Jan 29 | Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC |
| NEWS 20 Feb 13 | CANCERLIT is no longer being updated |
| NEWS 21 Feb 24 | METADEX enhancements |
| NEWS 22 Feb 24 | PCTGEN now available on STN |
| NEWS 23 Feb 24 | TEMA now available on STN |
| NEWS 24 Feb 26 | NTIS now allows simultaneous left and right truncation |
| NEWS 25 Feb 26 | PCTFULL now contains images |
| NEWS 26 Mar 04 | SDI PACKAGE for monthly delivery of multifile SDI results |
| NEWS 27 Mar 20 | EVENTLINE will be removed from STN |
| NEWS 28 Mar 24 | PATDPAFULL now available on STN |
| NEWS 29 Mar 24 | Additional information for trade-named substances without structures available in REGISTRY |
| NEWS 30 Apr 11 | Display formats in DGENE enhanced |
| NEWS 31 Apr 14 | MEDLINE Reload |
| NEWS 32 Apr 17 | Polymer searching in REGISTRY enhanced |
| NEWS 33 Jun 13 | Indexing from 1947 to 1956 added to records in CA/CAPLUS |
| NEWS 34 Apr 21 | New current-awareness alert (SDI) frequency in WPIDS/WINDEX/WPIX |
| NEWS 35 Apr 28 | RDISCLOSURE now available on STN |
| NEWS 36 May 05 | Pharmacokinetic information and systematic chemical names added to PHAR |
| NEWS 37 May 15 | MEDLINE file segment of TOXCENTER reloaded |
| NEWS 38 May 15 | Supporter information for ENCOMPPAT and ENCOMPLIT updated |
| NEWS 39 May 16 | CHEMREACT will be removed from STN |
| NEWS 40 May 19 | Simultaneous left and right truncation added to WSCA |

NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 43 Jun 06 PASCAL enhanced with additional data

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
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COST IN U.S. DOLLARS

| SINCE FILE
ENTRY | TOTAL
SESSION |
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| 0.21 | 0.21 |

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TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2000

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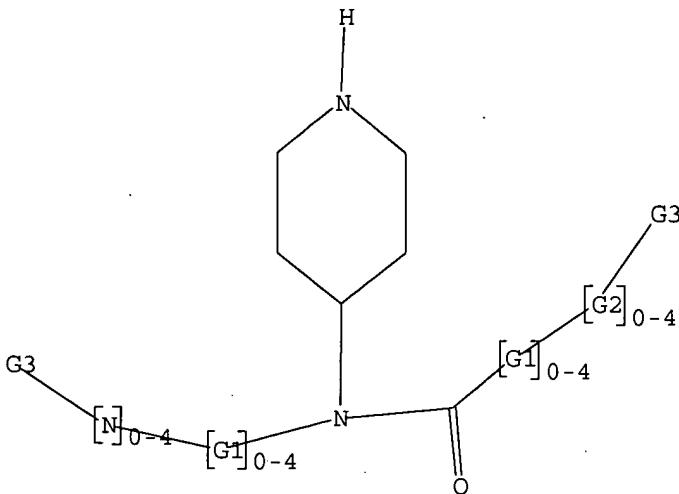
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>
 Uploading 09800096.10

L1 STRUCTURE UPLOADED

=> d 11
 L1 HAS NO ANSWERS
 L1 STR



G1 N,CH₂,CH,NH

G2 O,S,N,CH₂

G3 Cb,Cy,Hy

Structure attributes must be viewed using STN Express query preparation.

=> s 11
 SAMPLE SEARCH INITIATED 15:19:02 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 14745 TO ITERATE

6.8% PROCESSED 1000 ITERATIONS 1 ANSWERS
 INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 287636 TO 302164
 PROJECTED ANSWERS: 64 TO 524

L2 1 SEA SSS SAM L1

=> s 11 sss full

FULL SEARCH INITIATED 15:19:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 294324 TO ITERATE

100.0% PROCESSED 294324 ITERATIONS (5 INCOMPLETE) 414 ANSWERS
SEARCH TIME: 00.00.12

L3 414 SEA SSS FUL L1

=> file caplus

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FILE COVERS 1907 - 13 Jun 2003 VOL 138 ISS 25
FILE LAST UPDATED: 12 Jun 2003 (20030612/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 72 L3

=> s 14 and piperidine

L5 34 L4 AND PIPERIDINE

=> s 14 and piperidine and heterocycle

L6 1 L4 AND PIPERIDINE AND HETEROCYCLE

=> s 14 and piperidine and cycloalkyl

L7 7 L4 AND PIPERIDINE AND CYCLOALKYL

=> s 1

L8 1277780 L

=>

=> s 14 and piperidine and hydroxy alkyl

L9 0 L4 AND PIPERIDINE AND HYDROXY ALKYL

=> s 14 and piperidine and arylalkyl
 L10 1 L4 AND PIPERIDINE AND ARYLALKYL

=> s 14 and piperidine and aminoalkyl
 L11 1 L4 AND PIPERIDINE AND AMINOALKYL

=> s 14 and piperidine and heteroalkyl
 L12 1 L4 AND PIPERIDINE AND HETEROALKYL

=> d his

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FILE 'REGISTRY' ENTERED AT 15:18:43 ON 13 JUN 2003
 L1 STRUCTURE uploaded
 L2 1 S L1
 L3 414 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 15:19:32 ON 13 JUN 2003
 L4 72 S L3
 L5 34 S L4 AND PIPERIDINE
 L6 1 S L4 AND PIPERIDINE AND HETEROCYCLE
 L7 7 S L4 AND PIPERIDINE AND CYCLOALKYL
 L8 1277780 S L
 L9 0 S L4 AND PIPERIDINE AND HYDROXY ALKYL
 L10 1 S L4 AND PIPERIDINE AND ARYLALKYL
 L11 1 S L4 AND PIPERIDINE AND AMINOALKYL
 L12 1 S L4 AND PIPERIDINE AND HETEROALKYL

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L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:964347 CAPLUS
 DN 138:24638
 TI Preparation of thiophenecarboxylic acids and methods for the treatment or prevention of flaviviridae infections such as hepatitis C
 IN Chan, Chun Kong Laval; Bedard, Jean; Das, Sanjoy Kumar; Nguyen Ba, Nghe; Pereira, Oswy Z.; Reddy, Thumkunta Jagadeeswar; Siddiqui, M. Arshad; Wang, Wuyi; Yannopoulos, Constantin
 PA Shire Biochem Inc., Can.
 SO PCT Int. Appl., 314 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | WO 2002100851 | A2 | 20021219 | WO 2002-CA876 | 20020611 |
| | WO 2002100851 | A3 | 20030227 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,

BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 OS MARPAT 138:24638 US 2001-296731PP 20010611

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 SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
 SCAN must be entered on the same line as the DISPLAY,
 e.g., D SCAN or DISPLAY SCAN)
 STD ----- BIB, IPC, and NCL
 IABS ----- ABS, indented with text labels
 IALL ----- ALL, indented with text labels
 IBIB ----- BIB, indented with text labels
 IMAX ----- MAX, indented with text labels
 ISTD ----- STD, indented with text labels
 OBIB ----- AN, plus Bibliographic Data (original)
 OIBIB ----- OBIB, indented with text labels
 SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations
 HIT ----- Fields containing hit terms
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms
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 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
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| NEWS 10 | Oct 01 | CASREACT Enriched with Reactions from 1907 to 1985 |
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| NEWS 12 | Oct 24 | Nutraceuticals International (NUTRACEUT) now available on STN |
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| NEWS 16 | Dec 17 | PCTFULL now covers WP/PCT Applications from 1978 to date |
| NEWS 17 | Dec 17 | TOXCENTER enhanced with additional content |
| NEWS 18 | Dec 17 | Adis Clinical Trials Insight now available on STN |
| NEWS 19 | Jan 29 | Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC |
| NEWS 20 | Feb 13 | CANCERLIT is no longer being updated |
| NEWS 21 | Feb 24 | METADEX enhancements |
| NEWS 22 | Feb 24 | PCTGEN now available on STN |
| NEWS 23 | Feb 24 | TEMA now available on STN |
| NEWS 24 | Feb 26 | NTIS now allows simultaneous left and right truncation |
| NEWS 25 | Feb 26 | PCTFULL now contains images |
| NEWS 26 | Mar 04 | SDI PACKAGE for monthly delivery of multifile SDI results |
| NEWS 27 | Mar 20 | EVENTLINE will be removed from STN |
| NEWS 28 | Mar 24 | PATDPAFULL now available on STN |
| NEWS 29 | Mar 24 | Additional information for trade-named substances without structures available in REGISTRY |
| NEWS 30 | Apr 11 | Display formats in DGENE enhanced |
| NEWS 31 | Apr 14 | MEDLINE Reload |
| NEWS 32 | Apr 17 | Polymer searching in REGISTRY enhanced |
| NEWS 33 | Jun 13 | Indexing from 1947 to 1956 added to records in CA/CAPLUS |
| NEWS 34 | Apr 21 | New current-awareness alert (SDI) frequency in WPIDS/WINDEX/WPIX |
| EWS 35 | Apr 28 | RDISCLOSURE now available on STN |
| EWS 36 | May 05 | Pharmacokinetic information and systematic chemical names added to PHAR |
| EWS 37 | May 15 | MEDLINE file segment of TOXCENTER reloaded |
| EWS 38 | May 15 | Supporter information for ENCOMPPAT and ENCOMPLIT updated |
| EWS 39 | May 16 | CHEMREACT will be removed from STN |
| EWS 40 | May 19 | Simultaneous left and right truncation added to WSCA |

NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 43 Jun 06 PASCAL enhanced with additional data

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003

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DICTIONARY FILE UPDATES: 12 JUN 2003 HIGHEST RN 530077-26-0

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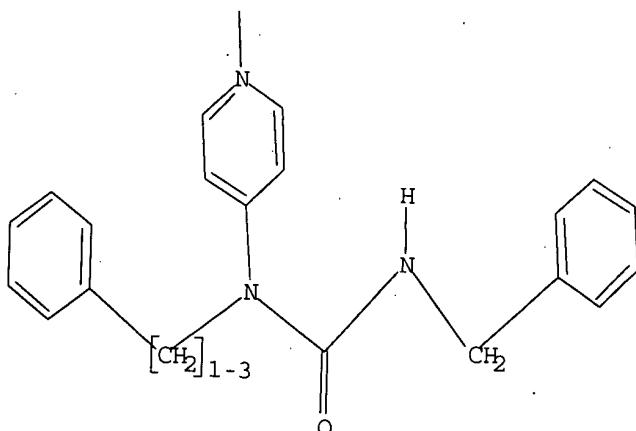
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Uploading C:\STNEXP4\QUERIES\09800096.str

L1 STRUCTURE UPLOADED

=> que L1

L2 QUERY CREATED

=> d 11
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED - 35 TO ITERATE

100.0% PROCESSED 35 ITERATIONS
SEARCH TIME: 00.00.01 0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 346 TO 1054
PROJECTED ANSWERS: 0 TO 0

L3 0 SEA SSS SAM L1

=> s 11 sss full
FULL SEARCH INITIATED 15:15:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 562 TO ITERATE

100.0% PROCESSED 562 ITERATIONS
SEARCH TIME: 00.00.01 0 ANSWERS

L4 0 SEA SSS FUL L1

09800096.1

Page 4

Patel

<6/13/2003>

codes. For a list of the display field codes, enter HELP DFIELDS at an arrow prompt (=>). Examples of formats include: TI; TI,AU; BIB,ST; TI,IND; TI,SO. You may specify the format fields in any order and the information will be displayed in the same order as the format specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):bib

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| L10 | ANSWER 1 OF 1 | CAPLUS | COPYRIGHT 2003 ACS | | |
| AN | 1995:648089 | CAPLUS | | | |
| DN | 123:55707 | | | | |
| TI | Preparation of hindered bis(piperidinylaminocarbonyl)benzene derivatives as photostabilizers | | | | |
| IN | Minafuji, Mitsumasa; Seko, Toshia; Sasaki, Satoru | | | | |
| PA | Mitsubishi Kagaku Kk, Japan | | | | |
| SO | Jpn. Kokai Tokkyo Koho, 10 pp. | | | | |
| CODEN: JKXXAF | | | | | |
| DT | Patent | | | | |
| LA | Japanese | | | | |
| FAN.CNT | 1 | | | | |
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE | |
| ----- | ----- | ----- | ----- | ----- | |
| PI | JP 07033738 | A2 | 19950203 | JP 1993-181691 | 19930722 |
| PRAI | JP 1993-181691 | | 19930722 | | |
| OS | MARPAT 123:55707 | | | | |

=> d l11 f bib
'F' IS NOT A VALID FORMAT FOR FILE 'CAPLUS'

The following are valid formats:

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| ALL | ----- | BIB, AB, IND, RE |
| APPS | ----- | AI, PRAI |
| BIB | ----- | AN, plus Bibliographic Data and PI table (default) |
| CAN | ----- | List of CA abstract numbers without answer numbers |
| CBIB | ----- | AN, plus Compressed Bibliographic Data |
| DALL | ----- | ALL, delimited (end of each field identified) |
| DMAX | ----- | MAX, delimited for post-processing |
| FAM | ----- | AN, PI and PRAI in table, plus Patent Family data |
| FBIB | ----- | AN, BIB, plus Patent FAM |
| IND | ----- | Indexing data |
| IPC | ----- | International Patent Classifications |
| MAX | ----- | ALL, plus Patent FAM, RE |
| PATS | ----- | PI, SO |
| SAM | ----- | CC, SX, TI, ST, IT |
| SCAN | ----- | CC, SX, TI, ST, IT (random display, no answer numbers;
SCAN must be entered on the same line as the DISPLAY,
e.g., D SCAN or DISPLAY SCAN) |
| STD | ----- | BIB, IPC, and NCL |
| IABS | ----- | ABS, indented with text labels |
| IALL | ----- | ALL, indented with text labels |
| IBIB | ----- | BIB, indented with text labels |

IMAX ----- MAX, indented with text labels
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 OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
 SIBIB ----- IBIB, no citations

HIT ----- Fields containing hit terms
 HITIND ----- IC, ICA, ICI, NCL, CC and index field (ST and IT)
 containing hit terms
 HITRN ----- HIT RN and its text modification
 HITSTR ----- HIT RN, its text modification, its CA index name, and
 its structure diagram
 HITSEQ ----- HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
 FHITSTR ----- First HIT RN, its text modification, its CA index name, and
 its structure diagram
 FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
 structure diagram, plus NTE and SEQ fields
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 OCC ----- Number of occurrence of hit term and field in which it occurs

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All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):bib

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:676749 CAPLUS
 DN 135:242140
 TI Preparation of N-piperidinyl-N-alkyl-acetamides and N,N,N'-substituted
 ureas as 5-HT2A inverse agonists/antagonists
 IN Andersson, Carl M.; Croston, Glenn; Hansen, E. L.; Uldam, A. K.
 PA Acadia Pharmaceuticals, Inc., USA
 SO PCT Int. Appl., 150 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI | WO 2001066521 | A1 | 20010913 | WO 2001-US7187 | 20010306 |
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IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV,
MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG,
SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW,
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, | | | |

DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 US 2002004513 A1 20020110 US 2001-800096 20010306
 EP 1263729 A1 20021211 EP 2001-914716 20010306
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 PRAI US 2000-187289P P 20000306
 WO 2001-US7187 W 20010306
 OS MARPAT 135:242140
 RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 112 fbib

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:813938 CAPLUS
 DN 137:337907
 TI Preparation of N-(heteroarylalkyl)acylamides as CXCR3 antagonists for
 treatment of inflammatory or immune conditions
 IN Medina, Julio C.; Johnson, Michael G.; Li, An-Rong; Liu, Jiwen; Huang,
 Alan Xi; Zhu, Liusheng; Marcus, Andrew P.
 PA Tularik Inc., USA
 SO PCT Int. Appl., 205 pp.
 CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|------------------|------------|
| PI | WO 2002083143 | A1 | 20021024 | WO 2001-US47850 | 20011211 |
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GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
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| | | | | US 2000-255241PP | 20001211 |
| | | | | US 2001-296499PP | 20010606 |
| | US 2002169159 | A1 | 20021114 | US 2001-15532 | 20011211 |
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| | US 2003069234 | A1 | 20030410 | US 2001-296499PP | 20010606 |
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| | US 2003055054 | A1 | 20030320 | US 2001-296499PP | 20010606 |
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| | | | | US 2001-296499PP | 20010606 |
| | | | | US 2001-15532 | A120011211 |

OS MARPAT 137:337907

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
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=> d 15 fbib hit str abs total

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CBIB ----- AN, plus Compressed Bibliographic Data
DALL ----- ALL, delimited (end of each field identified)
DMAX ----- MAX, delimited for post-processing
FAM ----- AN, PI and PRAI in table, plus Patent Family data
FBIB ----- AN, BIB, plus Patent FAM
IND ----- Indexing data
IPC ----- International Patent Classifications
MAX ----- ALL, plus Patent FAM, RE
PATS ----- PI, SO
SAM ----- CC, SX, TI, ST, IT
SCAN ----- CC, SX, TI, ST, IT (random display, no answer numbers;
SCAN must be entered on the same line as the DISPLAY,
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IALL ----- ALL, indented with text labels
IBIB ----- BIB, indented with text labels
IMAX ----- MAX, indented with text labels
ISTD ----- STD, indented with text labels

OBIB ----- AN, plus Bibliographic Data (original)
OIBIB ----- OBIB, indented with text labels

SBIB ----- BIB, no citations
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containing hit terms
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FHITSTR ----- First HIT RN, its text modification, its CA index name, and
its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
structure diagram, plus NTE and SEQ fields
KWIC ----- Hit term plus 20 words on either side
OCC ----- Number of occurrence of hit term and field in which it occurs

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All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR, FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC to view a specified Accession Number.

ENTER DISPLAY FORMAT (BIB):bib

L5 ANSWER 1 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2003:202625 CAPLUS
 DN 138:238016
 TI Preparation of cyclic amine compounds as cell adhesion inhibitors
 IN Kodama, Tatsuhiko; Tamura, Masahiro; Oda, Toshiaki; Yamazaki, Yukiyoshi;
 Nishikawa, Masahiro; Takemura, Shunji; Doi, Takeshi; Kyotani, Yoshinori;
 Ohkuchi, Masao
 PA Kowa Co., Ltd., Japan
 SO PCT Int. Appl., 291 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG | | | |
| | US 6395753 | B1 | 20020528 | US 2001-941684 | 20010830 |
| | US 6498169 | B1 | 20021224 | US 2001-983928 | 20011026 |
| PRAI | US 2001-941684 | A | 20010830 | | |
| | US 2001-983928 | A | 20011026 | | |
| | US 2002-107180 | A | 20020328 | | |
| | US 2002-191534 | A | 20020710 | | |
| OS | MARPAT | 138:238016 | | | |

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:964347 CAPLUS
 DN 138:24638
 TI Preparation of thiophenecarboxylic acids and methods for the treatment or prevention of flaviviridae infections such as hepatitis C
 IN Chan, Chun Kong Laval; Bedard, Jean; Das, Sanjoy Kumar; Nguyen Ba, Nghe; Pereira, Oswy Z.; Reddy, Thumkunta Jagadeeswar; Siddiqui, M. Arshad; Wang, Wuyi; Yannopoulos, Constantin
 PA Shire Biochem Inc., Can.
 SO PCT Int. Appl., 314 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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PI WO 2002100851 A2 20021219 WO 2002-CA876 20020611
 WO 2002100851 A3 20030227

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PRAI US 2001-296731P P 20010611

OS MARPAT 138:24638

L5 ANSWER 3 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:813938 CAPLUS
 DN 137:337907

TI Preparation of N-(heteroarylalkyl)acylamides as CXCR3 antagonists for treatment of inflammatory or immune conditions

IN Medina, Julio C.; Johnson, Michael G.; Li, An-Rong; Liu, Jiwen; Huang, Alan Xi; Zhu, Liusheng; Marcus, Andrew P.

PA Tularik Inc., USA

SO PCT Int. Appl., 205 pp.
 CODEN: PIXXD2

DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE | | |
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| PI WO 2002083143 | A1 | 20021024 | WO 2001-US47850 | 20011211 | | |
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LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,
UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
TJ, TM | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH,
CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR,
BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | US 2002169159 | A1 | 20021114 | US 2001-15532 | 20011211 |
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| US 2003055054 | A1 | 20030320 | US 2002-231895 | 20020829 | | |
| PRAI US 2000-255241P | P | 20001211 | | | | |
| US 2001-296499P | P | 20010606 | | | | |
| US 2001-15532 | A1 | 20011211 | | | | |
| OS MARPAT 137:337907 | | | | | | |
| RE.CNT 6 | THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT | | | | | |

L5 ANSWER 4 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:777922 CAPLUS
 DN 137:279193

TI Preparation of imidazolylalkyl-aminopiperidines as HIV inhibitors

IN Edlin, Christopher David; Redshaw, Sally; Smith, Ian Edward David; Walter, Daryl Simon

PA F. Hoffmann-La Roche A.-G., Switz.

SO PCT Int. Appl., 179 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------|------------|--|-----------------|----------|
| PI | WO 2002079186 | A2 | 20021010 | WO 2002-EP3193 | 20020321 |
| | WO 2002079186 | A3 | 20030501 | | |
| | | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | |
| | | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | |
| | US 2003069276 | A1 | 20030410 | US 2002-104117 | 20020322 |
| PRAI | GB 2001-8099 | A | 20010330 | | |
| OS | MARPAT | 137:279193 | | | |

L5 ANSWER 5 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 2002:555463 CAPLUS

DN 137:125084

TI Preparation of substituted ureas as MCH antagonists useful in the treatment of obesity

IN McBriar, Mark D.; Palani, Anandan; Shapiro, Sherry A.; Xu, Ruo; Clader, John

PA Schering Corporation, USA

SO PCT Int. Appl., 106 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------|------------|--|-----------------|----------|
| PI | WO 2002057233 | A1 | 20020725 | WO 2001-US45242 | 20011129 |
| | | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MW, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | |
| | | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | |
| | US 2003022891 | A1 | 20030130 | US 2001-995949 | 20011128 |
| PRAI | US 2000-250502P | P | 20001201 | | |
| OS | MARPAT | 137:125084 | | | |

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 2002:240729 CAPLUS

DN 136:279344

TI Preparation of substituted amino-aza-cycloalkanes as anti-malarial agents

IN Boss, Christoph; Fischli, Walter; Meyer, Solange; Richard-Bildstein,

Sylvia; Weller, Thomas
 PA Actelion Pharmaceuticals Ltd., Switz.
 SO PCT Int. Appl., 72 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | WO 2002024649 | A1 | 20020328 | WO 2001-EP10272 | 20010906 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | AU 2001091830 | A5 | 20020402 | AU 2001-91830 | 20010906 |
| | NO 2003001331 | A | 20030324 | NO 2003-1331 | 20030324 |
| PRAI | WO 2000-EP9328 | W | 20000925 | | |
| | WO 2001-EP10272 | W | 20010906 | | |
| OS | MARPAT 136:279344 | | | | |

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:1491 CAPLUS
 DN 136:379466
 TI First dual NK1 antagonists-serotonin reuptake inhibitors: synthesis and SAR of a new class of potential antidepressants
 AU Ryckmans, Thomas; Balancon, Laurent; Berton, Olivier; Genicot, Christophe; Lamberty, Yves; Lallemand, Benedicte; Pasau, Patrick; Pirlot, Nathalie; Quere, Luc; Talaga, Patrice
 CS Chemical Research, R&D, UCB Pharma SA, Braine-l'Alleud, B-1420, Belg.
 SO Bioorganic & Medicinal Chemistry Letters (2002), 12(2), 261-264
 CODEN: BMCLE8; ISSN: 0960-894X
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:851116 CAPLUS
 DN 135:371644
 TI Pharmaceutically active **piperidine** derivatives, in particular as modulators of chemokine receptor activity
 IN Burrows, Jeremy; Cooper, Anne; Cumming, John; Mcinally, Thomas; Tucker, Howard
 PA AstraZeneca AB, Swed.
 SO PCT Int. Appl., 122 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|------|-----------------|------|
|------------|------|------|-----------------|------|

 PI WO 2001087839 A1 20011122 WO 2001-SE1053 20010514
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
 UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 BR 2001010767 A 20030211 BR 2001-10767 20010514
 EP 1289957 A1 20030312 EP 2001-932457 20010514
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 NO 2002005430 A 20021218 NO 2002-5430 20021113
 PRAI GB 2000-11838 A 20000517
 WO 2001-SE1053 W 20010514
 OS MARPAT 135:371644
 RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:676749 CAPLUS
 DN 135:242140
 TI Preparation of N-piperidinyl-N-alkyl-acetamides and N,N,N'-substituted
 ureas as 5-HT2A inverse agonists/antagonists
 IN Andersson, Carl M.; Croston, Glenn; Hansen, E. L.; Uldam, A. K.
 PA Acadia Pharmaceuticals, Inc., USA
 SO PCT Int. Appl., 150 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE | |
|--------|-----------------|---|----------|--|--|--|
| PI | WO 2001066521 | A1 | 20010913 | WO 2001-US7187 | 20010306 | |
| | W: | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID,
IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV,
MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG,
SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW,
AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | |
| | US 2002004513 | A1 | 20020110 | US 2001-800096 | 20010306 | |
| | EP 1263729 | A1 | 20021211 | EP 2001-914716 | 20010306 | |
| | | | | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | |
| PRAI | US 2000-187289P | P | 20000306 | | | |
| | WO 2001-US7187 | W | 20010306 | | | |
| OS | MARPAT | 135:242140 | | | | |
| RE.CNT | 2 | | | THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD | | |
| | | | | ALL CITATIONS AVAILABLE IN THE RE FORMAT | | |

L5 ANSWER 10 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:453019 CAPLUS

DN 135:46106
 TI 4-Aminopiperidine derivatives, processes for their preparation, pharmaceutical compositions, and their use as medicines, specifically as somatostatin receptor ligands
 IN Thurieau, Christophe; Gonzalez, Jerome; Moinet, Christophe
 PA Societe de Conseils de Recherches et d'Applications Scientifiques (S.C.R.A.S.), Fr.
 SO PCT Int. Appl., 193 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| PI WO 2001044191 | A1 | 20010621 | WO 2000-FR3497 | 20001213 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR 2802206 | A1 | 20010615 | FR 1999-15724 | 19991214 |
| EP 1286966 | A1 | 20030305 | EP 2000-993405 | 20001213 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | | |
| JP 2003516965 | T2 | 20030520 | JP 2001-544681 | 20001213 |
| PRAI FR 1999-15724 | A | 19991214 | | |
| OS MARPAT 135:46106 | W | 20001213 | | |

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2000:840645 CAPLUS
 DN 134:100742
 TI Multistep solution-phase parallel synthesis of spiperone analogs
 AU Hansen, Henrik C.; Olsson, Roger; Croston, Glenn; Andersson, Carl-Magnus
 CS Synthetic Chemistry, ACADIA Pharmaceuticals A/S, Glostrup, DK-2600, Den.
 SO Bioorganic & Medicinal Chemistry Letters (2000), 10(21), 2435-2439
 CODEN: BMCLE8; ISSN: 0960-894X
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 OS CASREACT 134:100742
 RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1999:106962 CAPLUS
 DN 130:197400
 TI Piperidine compounds, intermediates for their preparation, and their use as nonbleeding stabilizers for polymer materials
 IN Okamoto, Kazunari; Samizo, Motohiko; Shimoide, Michio
 PA Sumitomo Chemical Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 17 pp.

CODEN: JKXXAF

DT Patent
 LA Japanese
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|----------|
| PI | JP 11035560 | A2 | 19990209 | JP 1997-199942 | 19970725 |
| PRAI | JP 1997-199942 | | 19970725 | | |
| OS | MARPAT 130:197400 | | | | |

L5 ANSWER 13 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1996:379662 CAPLUS
 DN 125:58510
 TI Preparation of N-(piperidinoethyl)benzimidazolones and analogs as neurokinin receptor antagonists
 IN De Nanteuil, Guillaume; Remond, Georges; Portevin, Bernard; Bonnet, Jacqueline; Canet, Emmanuel; Birrell, Graham
 PA Adir Et Compagnie, Fr.
 SO Eur. Pat. Appl., 24 pp.
 CODEN: EPXXDW

DT Patent
 LA French
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | EP 708101 | A1 | 19960424 | EP 1995-402330 | 19951019 |
| | EP 708101 | B1 | 19981209 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE | | | | |
| | FR 2725986 | A1 | 19960426 | FR 1994-12580 | 19941021 |
| | FR 2725986 | B1 | 19961129 | | |
| | NO 9504151 | A | 19960422 | NO 1995-4151 | 19951018 |
| | CA 2160966 | AA | 19960422 | CA 1995-2160966 | 19951019 |
| | CA 2160966 | C | 20020226 | | |
| | AU 9534376 | A1 | 19960502 | AU 1995-34376 | 19951019 |
| | AU 688120 | B2 | 19980305 | | |
| | AT 174334 | E | 19981215 | AT 1995-402330 | 19951019 |
| | ES 2128013 | T3 | 19990501 | ES 1995-402330 | 19951019 |
| | FI 9505024 | A | 19960422 | FI 1995-5024 | 19951020 |
| | CN 1128260 | A | 19960807 | CN 1995-115976 | 19951020 |
| | CN 1043639 | B | 19990616 | | |
| | JP 08225570 | A2 | 19960903 | JP 1995-272819 | 19951020 |
| | JP 3004574 | B2 | 20000131 | | |
| | US 5652246 | A | 19970729 | US 1995-546263 | 19951020 |
| | ZA 9508895 | A | 19960523 | ZA 1995-8895 | 19951025 |
| PRAI | FR 1994-12580 | A | 19941021 | | |
| OS | MARPAT 125:58510 | | | | |

L5 ANSWER 14 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1995:648089 CAPLUS
 DN 123:55707
 TI Preparation of hindered bis(piperidinylaminocarbonyl)benzene derivatives as photostabilizers
 IN Minafuji, Mitsumasa; Seko, Toshia; Sasaki, Satoru
 PA Mitsubishi Kagaku Kk, Japan
 SO Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------------|------|----------|-----------------|----------|
| PI | JP 07033738 | A2 | 19950203 | JP 1993-181691 | 19930722 |
| PRAI | JP 1993-181691 | | 19930722 | | |
| OS | MARPAT 123:55707 | | | | |

L5 ANSWER 15 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1994:78583 CAPLUS
 DN 120:78583
 TI Tetramethylpiperidine derivatives for use as stabilizers for organic materials
 IN Borzatta, Valerio; Vignali, Graziano
 PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.
 SO Eur. Pat. Appl., 45 pp.
 CODEN: EPXXDW
 DT Patent
 LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------------------|------|----------|-----------------|----------|
| PI | EP 548015 | A1 | 19930623 | EP 1992-810967 | 19921208 |
| | EP 548015 | B1 | 19960103 | | |
| | R: BE, DE, ES, FR, GB, IT, NL | | | | |
| | ES 2082434 | T3 | 19960316 | ES 1992-810967 | 19921208 |
| | US 5310767 | A | 19940510 | US 1992-988503 | 19921210 |
| | CA 2085379 | AA | 19930618 | CA 1992-2085379 | 19921215 |
| | BR 9205032 | A | 19930622 | BR 1992-5032 | 19921216 |
| | JP 05255312 | A2 | 19931005 | JP 1992-355130 | 19921217 |
| PRAI | IT 1991-MI3374 | | 19911217 | | |

L5 ANSWER 16 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1990:631278 CAPLUS
 DN 113:231278
 TI Synthesis and pharmacological evaluation of a series of new 1,4-disubstituted 3-methyl-piperidine analgesics
 AU Lalinde, Nhora; Moliterni, John; Wright, Denny; Spencer, H. Kenneth;
 Ossipov, Michael H.; Spaulding, Theodore C.; Rudo, Frieda G.
 CS BOC Tech. Cent., Anaquest Pharm., Murray Hill, NJ, 07974, USA
 SO Journal of Medicinal Chemistry (1990), 33(10), 2876-82
 CODEN: JMCMAR; ISSN: 0022-2623
 DT Journal
 LA English
 OS CASREACT 113:231278

L5 ANSWER 17 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1990:460650 CAPLUS
 DN 113:60650
 TI Substituted piperidines as stabilizers for organic materials
 IN Cantatore, Giuseppe; Vignali, Graziano
 PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.
 SO Eur. Pat. Appl., 22 pp.
 CODEN: EPXXDW

DT Patent
 LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------------|------|------|-----------------|------|
|--|------------|------|------|-----------------|------|

| | | | | | |
|------|-------------------|----|----------|----------------|----------|
| PI | EP 354184 | A2 | 19900207 | EP 1989-810574 | 19890726 |
| | EP 354184 | A3 | 19911009 | | |
| | EP 354184 | B1 | 19970226 | | |
| | R: DE, FR, GB, IT | | | | |
| | CA 1337987 | A1 | 19960123 | CA 1989-607283 | 19890802 |
| | JP 02104574 | A2 | 19900417 | JP 1989-202722 | 19890804 |
| | JP 2849829 | B2 | 19990127 | | |
| | US 5306495 | A | 19940426 | US 1992-846723 | 19920302 |
| PRAI | IT 1988-21643 | | 19880804 | | |
| | US 1989-389159 | | 19890802 | | |
| | US 1990-607213 | | 19901030 | | |
| | US 1991-719089 | | 19910620 | | |
| OS | MARPAT 113:60650 | | | | |

L5 ANSWER 18 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1989:174443 CAPLUS

DN 110:174443

TI **Piperidine** compounds for use as light stabilizers, heat stabilizers and oxidation stabilizers for organic materials
 IN Cantatore, Giuseppe; Borzatta, Valerio; Masina, Franca
 PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.
 SO Eur. Pat. Appl., 25 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-------------------|------|----------|-----------------|----------|
| PI | EP 290393 | A2 | 19881109 | EP 1988-810278 | 19880502 |
| | EP 290393 | A3 | 19910731 | | |
| | EP 290393 | B1 | 19950104 | | |
| | R: DE, FR, GB, IT | | | | |
| | CA 1302408 | A1 | 19920602 | CA 1988-565969 | 19880505 |
| | JP 63316769 | A2 | 19881226 | JP 1988-111378 | 19880507 |
| | US 5026749 | A | 19910625 | US 1990-523288 | 19900514 |
| PRAI | IT 1987-20419 | | 19870507 | | |
| | US 1988-187174 | | 19880428 | | |
| | US 1989-393034 | | 19890810 | | |
| OS | MARPAT 110:174443 | | | | |

L5 ANSWER 19 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1987:638031 CAPLUS

DN 107:238031

TI **Piperidine** compounds
 IN Cantatore, Giuseppe; Borzatto, Valerio
 PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.
 SO Eur. Pat. Appl., 34 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-----------------------|------|----------|-----------------|----------|
| PI | EP 232224 | A2 | 19870812 | EP 1987-810052 | 19870127 |
| | EP 232224 | A3 | 19890315 | | |
| | EP 232224 | B1 | 19921125 | | |
| | R: BE, DE, FR, GB, IT | | | | |
| | CA 1283909 | A1 | 19910507 | CA 1987-528334 | 19870128 |

| | | | | |
|--------------------|----|----------|----------------|----------|
| US 4803234 | A | 19890207 | US 1987-8220 | 19870129 |
| JP 62215566 | A2 | 19870922 | JP 1987-20352 | 19870130 |
| JP 2539613 | B2 | 19961002 | | |
| US 4927925 | A | 19900522 | US 1988-257365 | 19881013 |
| US 5030729 | A | 19910709 | US 1990-487347 | 19900301 |
| PRAI IT 1986-19230 | | 19860130 | | |
| US 1987-8220 | | 19870129 | | |
| US 1988-257365 | | 19881013 | | |

L5 ANSWER 20 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1987:120862 CAPLUS
 DN 106:120862
 TI Hindered piperidinyl derivatives of tetrahydrofuran carboxylic acid as stabilizers
 IN Helwig, Reinhard; Neumann, Peter; Trauth, Hubert; Aumueller, Alexander
 PA BASF A.-G., Fed. Rep. Ger.
 SO Ger. Offen., 12 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------------------|------|----------|-----------------|----------|
| PI | DE 3522678 | A1 | 19870108 | DE 1985-3522678 | 19850625 |
| | US 4703072 | A | 19871027 | US 1986-874864 | 19860616 |
| | EP 207396 | A1 | 19870107 | EP 1986-108428 | 19860620 |
| | EP 207396 | B1 | 19890419 | | |
| | R: CH, DE, FR, GB, IT, LI | | | | |
| | JP 62011770 | A2 | 19870120 | JP 1986-145020 | 19860623 |
| PRAI | DE 1985-3522678 | | 19850625 | | |
| OS | CASREACT 106:120862 | | | | |

L5 ANSWER 21 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1986:110770 CAPLUS
 DN 104:110770
 TI Compounds containing piperidine rings and their use in the stabilization of synthetic polymers
 IN Cantatore, Giuseppe; Borzatta, Valerio
 PA Ciba-Geigy S.p.A., Italy
 SO Eur. Pat. Appl., 28 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|-----------------------|------|----------|-----------------|----------|
| PI | EP 153907 | A2 | 19850904 | EP 1985-810074 | 19850222 |
| | EP 153907 | A3 | 19870513 | | |
| | EP 153907 | B1 | 19921111 | | |
| | R: BE, DE, FR, GB, IT | | | | |
| | CA 1236098 | A1 | 19880503 | CA 1985-475147 | 19850226 |
| | US 4618634 | A | 19861021 | US 1985-706301 | 19850227 |
| | JP 60202860 | A2 | 19851014 | JP 1985-40274 | 19850228 |
| | JP 05082384 | B4 | 19931118 | | |
| PRAI | IT 1984-19830 | | 19840228 | | |

L5 ANSWER 22 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1985:167359 CAPLUS

DN 102:167359
 TI Polyaminamides containing polyalkylpiperidinyl residues
 IN Cantatore, Giuseppe
 PA Ciba-Geigy S.p.A., Italy
 SO Eur. Pat. Appl., 26 pp.
 CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---------------------------|------|----------|-----------------|----------|
| PI | EP 128861 | A2 | 19841219 | EP 1984-810211 | 19840503 |
| | EP 128861 | A3 | 19870902 | | |
| | EP 128861 | B1 | 19901212 | | |
| | R: BE, DE, FR, GB, IT, NL | | | | |
| | CA 1236097 | A1 | 19880503 | CA 1984-453685 | 19840507 |
| | US 4578454 | A | 19860325 | US 1984-608081 | 19840508 |
| | JP 59210069 | A2 | 19841128 | JP 1984-92727 | 19840509 |
| | JP 06029242 | B4 | 19940420 | | |
| PRAI | IT 1983-21005 | | 19830509 | | |

L5 ANSWER 23 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1982:123934 CAPLUS

DN 96:123934

TI Amide derivatives of polyalkyl piperidines useful as stabilizers against light in organic materials
 IN Karrer, Friedrich; Moser, Paul
 PA Ciba-Geigy A.-G., Switz.
 SO Fr. Demande, 59 pp.
 CODEN: FRXXBL

DT Patent

LA French

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--------------|------|----------|-----------------|----------|
| PI | FR 2479216 | A1 | 19811002 | FR 1981-6159 | 19810327 |
| | FR 2479216 | B1 | 19840720 | | |
| | US 4348524 | A | 19820907 | US 1981-244551 | 19810317 |
| | GB 2074564 | A | 19811104 | GB 1981-9166 | 19810324 |
| | GB 2074564 | B2 | 19840627 | | |
| | DE 3111739 | A1 | 19820107 | DE 1981-3111739 | 19810325 |
| | DE 3111739 | C2 | 19910606 | | |
| | CA 1160220 | A1 | 19840110 | CA 1981-373961 | 19810326 |
| | JP 56152462 | A2 | 19811126 | JP 1981-46125 | 19810328 |
| PRAI | CH 1980-2493 | | 19800328 | | |

L5 ANSWER 24 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1981:588148 CAPLUS

DN 95:188148

TI Piperidine derivatives as stabilizers for synthetic polymers
 IN Cantatore, Giuseppe
 PA Chimosa Chimica Organica S.p.A., Italy
 SO Eur. Pat. Appl., 37 pp.
 CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|------|------|-----------------|------|
|------------|------|------|-----------------|------|

| PI | EP 31304 | A1 | 19810701 | EP 1980-810396 | 19801215 |
|------|-----------------------|----|----------|----------------|----------|
| | EP 31304 | B1 | 19840613 | | |
| | R: CH, DE, FR, GB, IT | | | | |
| | US 4369321 | A | 19830118 | US 1980-215925 | 19801212 |
| | JP 56095169 | A2 | 19810801 | JP 1980-180320 | 19801219 |
| | JP 02055424 | B4 | 19901127 | | |
| | CA 1152065 | A1 | 19830816 | CA 1980-367159 | 19801219 |
| | US 4501837 | A | 19850226 | US 1982-413439 | 19820831 |
| | US 4525503 | A | 19850625 | US 1982-415919 | 19820908 |
| PRAI | IT 1979-28324 | | 19791221 | | |
| | US 1980-215925 | | 19801212 | | |

L5 ANSWER 25 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1980:532380 CAPLUS

DN 93:132380

TI N-Aryl-N-(4-piperidinyl)arylacetamides

IN Hermans, Hubert K. F.; Sanczuk, Stefan

PA Janssen Pharmaceutica N. V., Belg.

SO U.S., 24 pp. Division of U. S. 4,126,689.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 3

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------------|------|----------|-----------------|----------|
| PI US 4197303 | A | 19800408 | US 1978-924530 | 19780713 |
| ZA 7605684 | A | 19780426 | ZA 1976-5684 | 19760922 |
| BE 846473 | A2 | 19770323 | BE 1976-170847 | 19760923 |
| US 4126689 | A | 19781121 | US 1977-795669 | 19770511 |
| DK 8404534 | A | 19840921 | DK 1984-4534 | 19840921 |
| DK 153474 | B | 19880718 | | |
| DK 153474 | C | 19881205 | | |
| PRAI US 1975-615131 | | 19750923 | | |
| US 1976-700351 | | 19760628 | | |
| US 1976-700352 | | 19760628 | | |
| US 1976-700635 | | 19760628 | | |
| US 1976-700636 | | 19760628 | | |
| US 1976-700637 | | 19760628 | | |
| US 1976-700638 | | 19760628 | | |
| US 1976-700694 | | 19760628 | | |
| US 1976-713756 | | 19760812 | | |
| US 1977-795669 | | 19770511 | | |
| DK 1976-4278 | | 19760922 | | |

L5 ANSWER 26 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1979:594174 CAPLUS

DN 91:194174

TI Compositions for stabilizing plastics against light

IN Moser, Paul; Rody, Jean; Karrer, Friedrich

PA Ciba-Geigy A.-G., Switz.

SO Eur. Pat. Appl., 81 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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|------------|------|------|-----------------|------|

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|------|-------------------------------|----|----------|----------------|----------|
| PI | EP 1840 | A2 | 19790516 | EP 1978-101303 | 19781103 |
| | R: BE, CH, DE, FR, GB, NL, SE | | | | |
| | US 4256627 | A | 19810317 | US 1978-956716 | 19781101 |
| | JP 54095650 | A2 | 19790728 | JP 1978-137759 | 19781108 |
| PRAI | CH 1977-13587 | | 19771108 | | |

L5 ANSWER 27 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1979:121243 CAPLUS
 DN 90:121243
 TI N-Aryl-N-(1-alkyl-4-piperidinyl)arylacetamides
 IN Sanczuk, Stefan; Hermans, Hubert K. F.
 PA Janssen Pharmaceutica N. V., Belg.
 SO U.S., 24 pp.
 CODEN: USXXAM

DT Patent
 LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|----------------|------|----------|-----------------|----------|
| PI | US 4126689 | A | 19781121 | US 1977-795669 | 19770511 |
| | ZA 7605684 | A | 19780426 | ZA 1976-5684 | 19760922 |
| | BE 846473 | A2 | 19770323 | BE 1976-170847 | 19760923 |
| | US 4151286 | A | 19790424 | US 1978-924490 | 19780713 |
| | US 4157393 | A | 19790605 | US 1978-924533 | 19780713 |
| | US 4196210 | A | 19800401 | US 1978-924484 | 19780713 |
| | US 4197304 | A | 19800408 | US 1978-924487 | 19780713 |
| | US 4197303 | A | 19800408 | US 1978-924530 | 19780713 |
| | US 4198411 | A | 19800415 | US 1978-924531 | 19780713 |
| | US 4208418 | A | 19800617 | US 1978-924535 | 19780713 |
| | US 4225606 | A | 19800930 | US 1978-924486 | 19780713 |
| | DK 8404534 | A | 19840921 | DK 1984-4534 | 19840921 |
| | DK 153474 | B | 19880718 | | |
| | DK 153474 | C | 19881205 | | |
| PRAI | US 1975-615131 | | 19750923 | | |
| | US 1976-700351 | | 19760628 | | |
| | US 1976-700352 | | 19760628 | | |
| | US 1976-700635 | | 19760628 | | |
| | US 1976-700636 | | 19760628 | | |
| | US 1976-700637 | | 19760628 | | |
| | US 1976-700638 | | 19760628 | | |
| | US 1976-700694 | | 19760628 | | |
| | US 1976-713756 | | 19760812 | | |
| | DK 1976-4278 | | 19760922 | | |
| | US 1977-795669 | | 19770511 | | |

L5 ANSWER 28 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1977:453094 CAPLUS
 DN 87:53094
 TI N-Aryl-N-(4-piperidinyl)arylacetamides
 IN Sanczuk, Stefan; Hermans, Hubert K. F.
 PA Janssen Pharmaceutica N. V., Belg.
 SO Ger. Offen., 66 pp.
 CODEN: GWXXBX

DT Patent
 LA German

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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|------|----------------|----|----------|-----------------|----------|
| PI | DE 2642856 | A1 | 19770324 | DE 1976-2642856 | 19760923 |
| | DE 2642856 | C2 | 19900621 | | |
| | NO 7603054 | A | 19770324 | NO 1976-3054 | 19760906 |
| | NO 147672 | B | 19830214 | | |
| | NO 147672 | C | 19830525 | | |
| | FR 2325377 | A1 | 19770422 | FR 1976-27870 | 19760916 |
| | FR 2325377 | B1 | 19800418 | | |
| | AU 7617878 | A1 | 19780323 | AU 1976-17878 | 19760917 |
| | AU 510029 | B2 | 19800605 | | |
| | CA 1068271 | A1 | 19791218 | CA 1976-261551 | 19760920 |
| | RO 70079 | P | 19821026 | RO 1976-87590 | 19760920 |
| | JP 52039683 | A2 | 19770328 | JP 1976-112527 | 19760921 |
| | JP 60016417 | B4 | 19850425 | | |
| | GB 1539473 | A | 19790131 | GB 1976-39099 | 19760921 |
| | IL 50522 | A1 | 19790930 | IL 1976-50522 | 19760921 |
| | CH 628623 | A | 19820315 | CH 1976-11948 | 19760921 |
| | FI 7602698 | A | 19770324 | FI 1976-2698 | 19760922 |
| | FI 61482 | B | 19820430 | | |
| | FI 61482 | C | 19820810 | | |
| | DK 7604278 | A | 19770324 | DK 1976-4278 | 19760922 |
| | DK 150478 | B | 19870309 | | |
| | DK 150478 | C | 19871005 | | |
| | SE 7610501 | A | 19770324 | SE 1976-10501 | 19760922 |
| | SE 427839 | B | 19830509 | | |
| | SE 427839 | C | 19830818 | | |
| | NL 7610513 | A | 19770325 | NL 1976-10513 | 19760922 |
| | NL 187267 | B | 19910301 | | |
| | NL 187267 | C | 19910801 | | |
| | ZA 7605684 | A | 19780426 | ZA 1976-5684 | 19760922 |
| | ES 451768 | A1 | 19780501 | ES 1976-451768 | 19760922 |
| | HU 172964 | P | 19790128 | HU 1976-JA767 | 19760922 |
| | AT 7607029 | A | 19810215 | AT 1976-7029 | 19760922 |
| | AT 363935 | B | 19810910 | | |
| | PL 117323 | B1 | 19810731 | PL 1976-216213 | 19760922 |
| | CS 222663 | P | 19830729 | CS 1976-6139 | 19760922 |
| | BE 846473 | A2 | 19770323 | BE 1976-170847 | 19760923 |
| | SU 747424 | D | 19800723 | SU 1976-2405548 | 19760923 |
| | DK 8404534 | A | 19840921 | DK 1984-4534 | 19840921 |
| | DK 153474 | B | 19880718 | | |
| | DK 153474 | C | 19881205 | | |
| PRAI | US 1975-615131 | | 19750923 | | |
| | US 1976-713756 | | 19760812 | | |
| | DK 1976-4278 | | 19760922 | | |

L5 ANSWER 29 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1975:460490 CAPLUS
 DN 83:60490
 TI Stabilized polymer compositions
 IN Murayama, Keisuke; Morimura, Shoji; Matsui, Katsuaki; Kurumada, Tomoyuki;
 Ohta, Noriyuki; Watanabe, Ichiro
 PA Sankyo Co., Ltd.
 SO Ger. Offen., 61 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|-------|-------|-----------------|-------|
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|------|---------------|----|----------|-----------------|----------|
| PI | DE 2349962 | A1 | 19740418 | DE 1973-2349962 | 19731004 |
| | DE 2349962 | B2 | 19760311 | | |
| | DE 2349962 | C3 | 19761125 | | |
| | JP 49057046 | A2 | 19740603 | JP 1972-99599 | 19721004 |
| | JP 55007861 | B4 | 19800228 | | |
| | GB 1401924 | A | 19750806 | GB 1973-45789 | 19731001 |
| | CA 1022296 | A1 | 19771206 | CA 1973-182418 | 19731002 |
| | CH 613714 | A | 19791015 | CH 1973-14068 | 19731002 |
| | NL 7313683 | A | 19740408 | NL 1973-13683 | 19731004 |
| | FR 2202128 | A1 | 19740503 | FR 1973-35463 | 19731004 |
| PRAI | JP 1972-99599 | | 19721004 | | |

L5 ANSWER 30 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1969:413026 CAPLUS

DN 71:13026

TI Aroylalkoyl and hydroxyaralkyl derivatives of 4-(N-aryl-N-alkanamido) piperidines

IN Janssen, Paul A. J.

PA N. V. Research Laboratorium Dr. C Janssen

SO Fr., 8 pp.

CODEN: FRXXAK

DT Patent

LA French

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------|------|----------|-----------------|------|
| PI | FR 1517670 | | 19680322 | | |
| PRAI | US | | 19611010 | | |

L5 ANSWER 31 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1969:115015 CAPLUS

DN 70:115015

TI N-(1-Alkyl-4-piperidyl)-N-arylalkanoamides

PA N. V. Research Laboratorium Dr. C. Janssen

SO Fr., 8 pp.

CODEN: FRXXAK

DT Patent

LA French

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|------------|------|----------|-----------------|------|
| PI | FR 1517671 | | 19680322 | | |
| PRAI | US | | 19611010 | | |

L5 ANSWER 32 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1965:90827 CAPLUS

DN 62:90827

OREF 62:16209b-g

TI Aroylalkyl and hydroxyarylalkyl derivatives of 4-(N-arylkalanamido) piperidines and related compounds

IN Janssen, Paul A. J.

PA N. V. Research Laboratorium, Dr. C. Janssen

SO 5 pp.

DT Patent

LA Unavailable

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------------|------|------|-----------------|------|
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|----|------------|----------|----|----------|
| PI | US 3171838 | 19650302 | US | 19611010 |
| | GB 992732 | | GB | |

L5 ANSWER 33 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1965:82455 CAPLUS
 DN 62:82455
 OREF 62:14634e-h,14635a-d
 TI N-(1-Aralkyl-4-piperidyl)alkanoic acid anilides
 IN Janssen, Paul A. J.
 PA N. V. Research Laboratorium, Dr. C. Janssen
 SO 27 pp.
 DT Patent
 LA Unavailable
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|-------------|-------|----------|-----------------|-------|
| ----- | ----- | ----- | ----- | ----- |
| PI FR M2430 | | 19640427 | FR | |
| PRAI US | | 19611010 | | |

L5 ANSWER 34 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1964:418186 CAPLUS
 DN 61:18186
 OREF 61:3076d-h,3077a-e
 TI 1-(.gamma.-Aroylpropyl)-4-(N-arylacylamino)piperidines
 IN Janssen, Paul A. J.
 PA N. V. Research Laboratorium, Dr. C. Janssen
 SO 22 pp.
 DT Patent
 LA Unavailable

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---------------|-------|----------|-----------------|-------|
| ----- | ----- | ----- | ----- | ----- |
| PI FR 1344366 | | 19631129 | FR | |
| BE 623427 | | | BE | |
| FR M2429 | | | FR | |
| FR M2431 | | | FR | |
| GB 976226 | | | GB | |
| US 3161637 | | 1964 | US | |
| US 3164600 | | 1965 | US | |
| PRAI US | | 19611010 | | |

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L5 ANSWER 1 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2003:202625 CAPLUS
 DN 138:238016
 TI Preparation of cyclic amine compounds as cell adhesion inhibitors
 IN Kodama, Tatsuhiko; Tamura, Masahiro; Oda, Toshiaki; Yamazaki, Yukiyoshi;
 Nishikawa, Masahiro; Takemura, Shunji; Doi, Takeshi; Kyotani, Yoshinori;
 Ohkuchi, Masao
 PA Kowa Co., Ltd., Japan
 SO PCT Int. Appl., 291 pp.
 CODEN: PIXXD2
 DT Patent
 LA Japanese
 FAN.CNT 3

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|-------|-------|-----------------|-------|
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|----|---------------|--|----------|----------------|------------|
| PI | WO 2003020703 | A1 | 20030313 | WO 2002-JP8650 | 20020828 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | |
| | US 6395753 | B1 | 20020528 | US 2001-941684 | A 20010830 |
| | US 6498169 | B1 | 20021224 | US 2001-983928 | A 20011026 |
| | | | | US 2002-107180 | A 20020328 |
| | | | | US 2002-191534 | A 20020710 |
| | | | | US 2001-941684 | 20010830 |
| | | | | US 2001-983928 | 20011026 |
| | | | | US 2001-941684 | A220010830 |

PATENT FAMILY INFORMATION:

FAN 2002:403898

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------------|-----------------|------------|
| PI | US 6395753 | B1 | 20020528 | US 2001-941684 | 20010830 |
| | US 6498169 | B1 | 20021224 | US 2001-983928 | 20011026 |
| | WO 2003020703 | A1 | 20030313 | US 2001-941684 | A220010830 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | WO 2002-JP8650 | 20020828 | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | US 2001-941684 | A 20010830 | |
| | | | | US 2001-983928 | A 20011026 |
| | | | | US 2002-107180 | A 20020328 |
| | | | | US 2002-191534 | A 20020710 |

FAN 2002:974250

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------------|-----------------|------------|
| PI | US 6498169 | B1 | 20021224 | US 2001-983928 | 20011026 |
| | US 6395753 | B1 | 20020528 | US 2001-941684 | A220010830 |
| | WO 2003020703 | A1 | 20030313 | US 2001-941684 | 20010830 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | WO 2002-JP8650 | 20020828 | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL | | | |

PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR,
NE, SN, TD, TG

US 2001-941684 A 20010830
US 2001-983928 A 20011026
US 2002-107180 A 20020328
US 2002-191534 A 20020710

OS MARPAT 138:238016

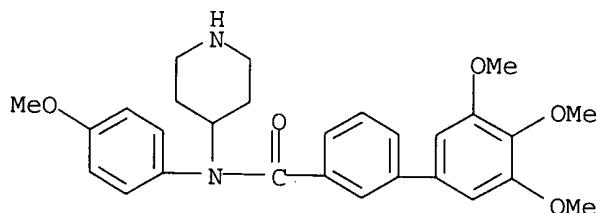
IT 501670-55-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(prepn. of cyclic amine compds. as cell adhesion inhibitors)

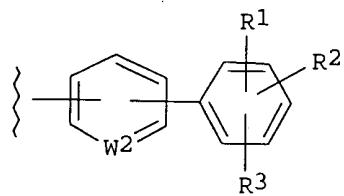
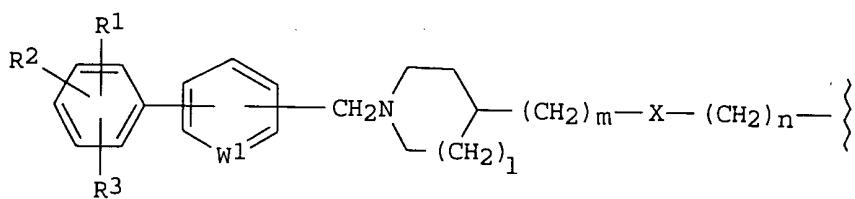
RN 501670-55-9 CAPLUS

CN [1,1'-Biphenyl]-3-carboxamide, 3',4',5'-trimethoxy-N-(4-methoxyphenyl)-N-4-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

GI



I

AB The title compds. I [R1, R2, and R3 each independently represents hydrogen, alkoxy, etc.; W1 and W2 are the same or different and each represents nitrogen or CH; X represents oxygen, NR4, CONR4, or NR4CO; R4 represents hydrogen, alkyl, aryl, heteroaryl, aralkyl, heteroaralkyl, etc.; and l, m, and n each is 0 or 1] are prep'd. I are useful as antiallergic, antirheumatic, antiasthmatic agents, etc. In an in vitro

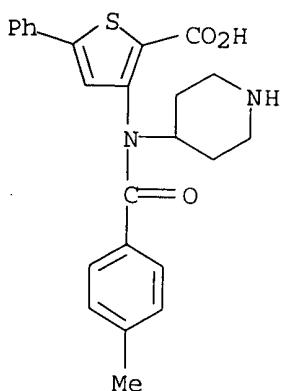
test for cell adhesion inhibition, compds. of this invention showed IC₅₀ values of 0.04 .mu.M to 0.3 .mu.M. Formulations are given.

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 2 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:964347 CAPLUS
 DN 138:24638
 TI Preparation of thiophenecarboxylic acids and methods for the treatment or prevention of flaviviridae infections such as hepatitis C
 IN Chan, Chun Kong Laval; Bedard, Jean; Das, Sanjoy Kumar; Nguyen Ba, Nghe; Pereira, Oswy Z.; Reddy, Thumkunta Jagadeeswar; Siddiqui, M. Arshad; Wang, Wuyi; Yannopoulos, Constantin
 PA Shire Biochem Inc., Can.
 SO PCT Int. Appl., 314 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|---|----------|
| PI | WO 2002100851 | A2 | 20021219 | WO 2002-CA876 | 20020611 |
| | WO 2002100851 | A3 | 20030227 | | |
| | | | | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | |
| | | | | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | |
| | | | | US 2001-296731PP | 20010611 |

OS MARPAT 138:24638
 IT 478025-80-8P, 3-[(4-Methylbenzoyl)piperidin-4-ylamino]-5-phenylthiophene-2-carboxylic acid monohydrochloride
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (drug candidate; prepn. of thiophenecarboxylic acids and methods for treatment or prevention of flaviviridae infections such as hepatitis C)
 RN 478025-80-8 CAPLUS
 CN 2-Thiophenecarboxylic acid, 3-[(4-methylbenzoyl)-4-piperidinylamino]-5-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

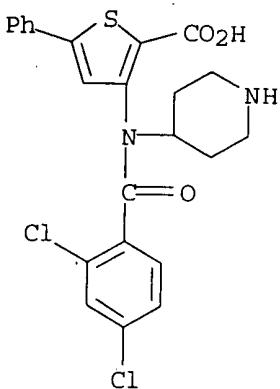
IT 478025-82-0P, 3-[(2,4-Dichlorobenzoyl)piperidin-4-ylamino]-5-phenylthiophene-2-carboxylic acid monohydrochloride 478027-54-2P
 , 3-[(2,4-Dichlorobenzoyl)(3-methylpiperidin-4-yl)amino]-5-phenylthiophene-2-carboxylic acid mono(trifluoroacetate) 478027-89-3P,
 3-[(4-Methylcyclohexylcarbonyl)piperidin-4-ylamino]-5-phenylthiophene-2-carboxylic acid

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug candidate; prepn. of thiophenecarboxylic acids and methods for treatment or prevention of flaviviridae infections such as hepatitis C)

RN 478025-82-0 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[(2,4-dichlorobenzoyl)-4-piperidinylamino]-5-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 478027-54-2 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[(2,4-dichlorobenzoyl)(3-methyl-4-

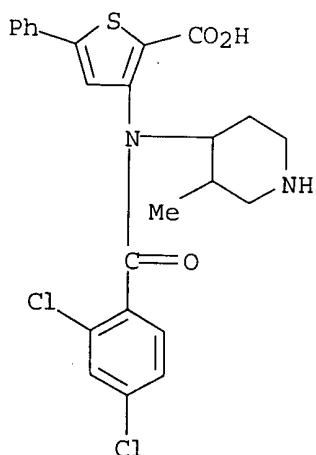
09800096.1 0

Page 31

piperidinyl)amino]-5-phenyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

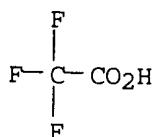
CM 1

CRN 478027-53-1
CMF C24 H22 Cl2 N2 O3 S



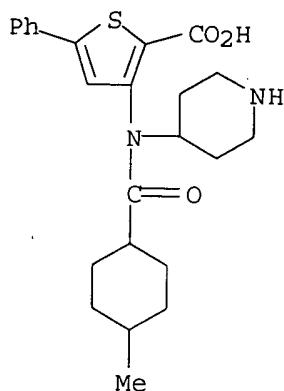
CM 2

CRN 76-05-1
CMF C2 H F3 O2



RN 478027-89-3 CAPLUS

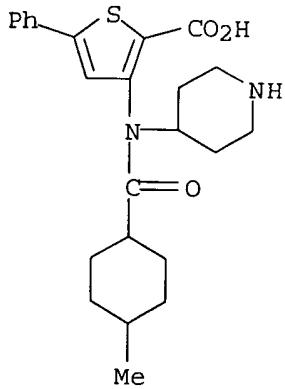
CN 2-Thiophenecarboxylic acid, 3-[(4-methylcyclohexyl)carbonyl]-4-piperidinylamino]-5-phenyl- (9CI) (CA INDEX NAME)



IT 478027-22-4P, 3-[(4-Methylcyclohexylcarbonyl)(piperidin-4-yl)amino]-5-phenylthiophene-2-carboxylic acid lithium salt
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (drug candidate; prepn. of thiophenecarboxylic acids and methods for treatment or prevention of flaviviridae infections such as hepatitis C)

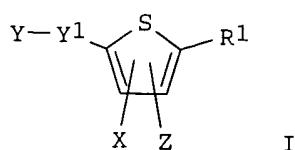
RN 478027-22-4 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[[[(4-methylcyclohexyl)carbonyl]-4-piperidinylamino]-5-phenyl-, monolithium salt (9CI) (CA INDEX NAME)



● Li

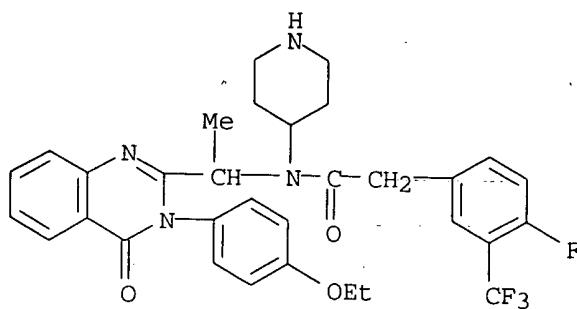
GI



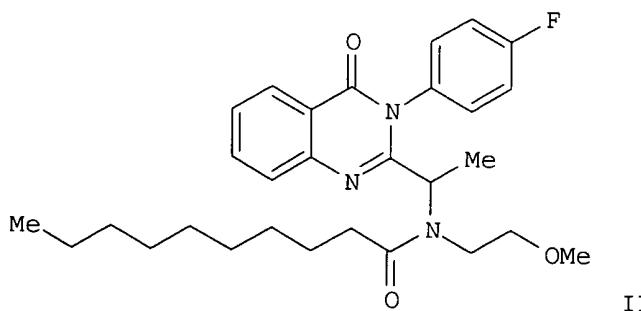
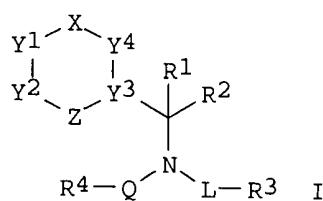
AB The present invention provides novel thiophenes (shown as I; variables defined below; e.g. 3-[(2-chlorophenylsulfonyl)amino]-5-phenylthiophene-2-carboxylic acid) or pharmaceutically acceptable salts thereof useful for treating flaviviridae viral infection. For I: X = -NR3MR2, -JNR2R3; M = -SO2-, -S(O)-, -S-, -C(O)-, -C(S)-, -C(O)NR4-, -C(S)NR15-, -CHR15-, -C(:NR8)-, a bond; R4 is C1-6 alkyl; R8 = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-12 heteroaralkyl, C6-16 aralkyl; and R15 = H or C1-6 alkyl; J = -C(:W)-, -CHR6-, -S-, -S(O)-, -SO2-; W = O, S or NR7, wherein R7 = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-12 heteroaralkyl, C6-16 aralkyl; and R6 = H, C1-12 alkyl, C6-14 aryl or C6-16 aralkyl. Y1 = a bond, C1-6 alkyl, C2-6 alkenyl or C2-6 alkynyl; Y = COOR16, COCOOR5, P(O)ORAORb, S(O)OR5, S(O)2OR5, tetrazole, CON(R9)CH(R5)COOR5, CONR10R11, CON(R9)SO2R5, CONR9OH or halogen, wherein R9, R5, R10 and R11 = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C3-12 heterocycle, C3-18 heteroaralkyl, C6-18 aralkyl; or R10 and R11 are taken together with the N to form a 3-10 membered heterocycle; Ra and Rb = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-18 heteroaralkyl and C6-18 aralkyl; or Ra and Rb are taken together with the oxygens to form a 5-10 membered heterocycle. R16 = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-18 heteroaralkyl and C6-18 aralkyl; provided that R16 is other than Me or Et; R1 = C2-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-18 heteroaralkyl or C6-18 aralkyl; R2 = C2-12 alkyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-18 heteroaralkyl, or C6-18 aralkyl; R3 = H, C1-12 alkyl, C2-12 alkenyl, C2-12 alkynyl, C6-14 aryl, C3-12 heterocycle, C3-18 heteroaralkyl or C6-18 aralkyl; Z = H, halogen, C1-6 alkyl; with provisos. Twenty-five example preps. of I are included. For example, 3-[(2-chlorophenylsulfonyl)amino]-5-phenylthiophene-2-carboxylic acid was prep'd. by adding 1 N aq. soln. of LiOH.H2O (64.378 mmol) to a suspension of 3-amino-5-phenylthiophene-2-carboxylic acid Me ester (21.459 mmol) in a mixt. of THF:MeOH:H2O (3:2:1, 75 mL) and stirring at 85.degree. (external temp.) for 4 h. Solvents were removed under reduced pressure and the residue was partitioned between H2O and EtOAc. The H2O layer was sepd. and acidified with 1 N HCl soln. and then EtOAc was added to it. The formed intermediate 3-amino-5-phenylthiophene-2-carboxylic acid (4.15 g, 88%; 0.457 mmol) was taken in a mixt. of dioxane and H2O (1:1, 25 mL) and then Na carbonate (2.285 mmol) and 1-chlorophenylsulfonyl chloride (1.369 mmol) were added. The reaction mixt. was stirred at room temp. for 12 h and eventually 69% of 3-[(2-chlorophenylsulfonyl)amino]-5-phenylthiophene-2-carboxylic acid was obtained. Results of evaluation of .apprx.580 I in the hepatitis C virus (HCV) RNA-dependent RNA polymerase and/or anti-helicase assays are tabulated.

L5 ANSWER 3 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:813938 CAPLUS
 DN 137:337907
 TI Preparation of N-(heteroarylalkyl)acylamides as CXCR3 antagonists for treatment of inflammatory or immune conditions
 IN Medina, Julio C.; Johnson, Michael G.; Li, An-Rong; Liu, Jiwen; Huang, Alan Xi; Zhu, Liusheng; Marcus, Andrew P.
 PA Tularik Inc., USA
 SO PCT Int. Appl., 205 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|--|----------|------------------|------------|
| PI | WO 2002083143 | A1 | 20021024 | WO 2001-US47850 | 20011211 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | US 2000-255241PP | 20001211 |
| | | | | US 2001-296499PP | 20010606 |
| | US 2002169159 | A1 | 20021114 | US 2001-15532 | 20011211 |
| | | | | US 2000-255241PP | 20001211 |
| | US 2003069234 | A1 | 20030410 | US 2001-296499PP | 20010606 |
| | | | | US 2002-164690 | 20020606 |
| | US 2003055054 | A1 | 20030320 | US 2001-296499PP | 20010606 |
| | | | | US 2002-231895 | 20020829 |
| | | | | US 2000-255241PP | 20001211 |
| | | | | US 2001-296499PP | 20010606 |
| | | | | US 2001-15532 | A120011211 |
| OS | MARPAT 137:337907 | | | | |
| IT | 473907-65-2P , T 0913409 | | | | |
| | RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) | | | | |
| | (CXCR3 antagonist; prepn. of N-(heteroarylalkyl)acylamides as CXCR3 antagonists for treatment of inflammatory or immune conditions) | | | | |
| RN | 473907-65-2 CAPLUS | | | | |
| CN | Benzeneacetamide, N-[1-[3-(4-ethoxyphenyl)-3,4-dihydro-4-oxo-2-quinazolinyl]ethyl]-4-fluoro-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME) | | | | |



GI



AB Title compds. I [wherein X = a bond, CO, CR5R6, CR5:, SO, SO2, or N: ; Z = a bond, N:, O, S, NR17, or CR7: ; with the proviso that X and Z are not both a bond; L = CO-alkylene or (hetero)alkylene; Q = (hetero)alkylene, CO, OCO, NR8CO, CH2CO, CH2SO, or CH2SO2; or NLQ = heterocyclyl; R1 and R2 = independently H, (hetero)alkyl, or (hetero)aryl; or CR1R2 = (hetero)cyclyl; or CNR2L = heterocyclyl; R3 = OH, alkoxy, NH2, (di)alkylamino, heteroalkyl, heterocyclyl, acylaminoamidino, guanidino, ureido, CN, heteroaryl, carbamoyl, or carboxy; R4 = (hetero)alkyl, (hetero)aryl, etc.; R5 and R6 = independently H, (hetero)alkyl, or (hetero)aryl; or CR5R6 = a ring; R7 and R8 = independently H, (hetero)alkyl, or (hetero)aryl; Y1 and Y2 = independently CR12: N:, O, S, or NR13; Y3 = N or C, wherein C shares a double bond with either Z or Y4; Y4 = NR14, CR14:, N:, NR14CR15R16; R12 = H, halo, OH, NH2, (di)alkylamino, (hetero)alkyl, or (hetero)aryl, with provisos; R13 = H, (hetero)alkyl, (hetero)aryl, etc.; R14 = (hetero)alkyl, (hetero)aryl, etc.; R15 and R16 = independently H or (hetero)alkyl; R17 = H, (hetero)alkyl, (hetero)aryl, etc.; with provisos] were prep'd. as chemokine receptor modulators, in particular CXCR3 antagonists. For example, anthranilic acid was acylated with propionyl chloride and the amide cyclized using acetic anhydride to give 2-ethylbenzo[d][1,3]oxazine-4-one. Treatment with 4-fluoroaniline, followed by ethylene glycol and NaOH afforded 2-ethyl-3-(4-fluorophenyl)-3H-quinazolin-4-one. Bromination and stepwise addn. of 1-amino-2-methoxyethane and decanoyl chloride produced the decanoic acid (quinazolinylethyl)(methoxyethyl)amide II. Approx. one third of the 101 invention compds. tested in a CXCR3 binding assay displayed activity with IC50 values of < 1 .mu.M. I are useful for the treatment of inflammatory and immunoregulatory disorders and diseases, such as multiple sclerosis, rheumatoid arthritis, and type I diabetes (no data).

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 4 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:777922 CAPLUS
 DN 137:279193
 TI Preparation of imidazolylalkyl-aminopiperidines as HIV inhibitors
 IN Edlin, Christopher David; Redshaw, Sally; Smith, Ian Edward David; Walter,

Daryl Simon

PA F. Hoffmann-La Roche A.-G., Switz.

SO PCT Int. Appl., 179 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

PATENT NO.

KIND DATE

APPLICATION NO. DATE

| ----- | ----- | ----- | ----- |
|------------------|-------------|----------------|----------|
| PI WO 2002079186 | A2 20021010 | WO 2002-EP3193 | 20020321 |
| WO 2002079186 | A3 20030501 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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|---------------|-------------|-------------------------|
| US 2003069276 | A1 20030410 | GB 2001-8099 A 20010330 |
| | | US 2002-104117 20020322 |
| | | GB 2001-8099 A 20010330 |

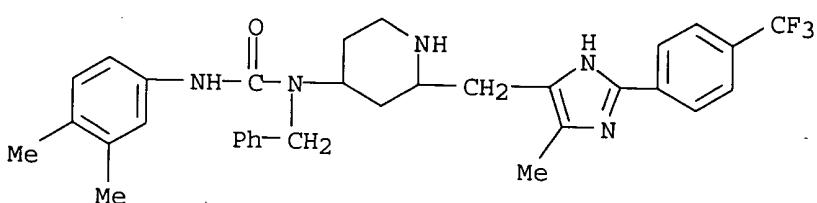
OS MARPAT 137:279193

IT 466665-20-3P, 1-Benzyl-1-[2-[[2-[4-(trifluoromethyl)phenyl]-5-methyl-1H-imidazol-4-yl]methyl]-4-piperidinyl]-3-(3,4-dimethylphenyl)urea
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(HIV inhibitor; prepn. of imidazolylalkyl-aminopiperidines as HIV inhibitors)

RN 466665-20-3 CAPLUS

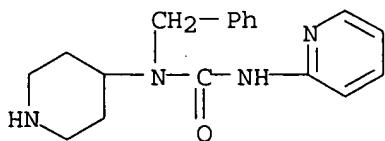
CN Urea, N'-(3,4-dimethylphenyl)-N-[2-[[5-methyl-2-[4-(trifluoromethyl)phenyl]-1H-imidazol-4-yl]methyl]-4-piperidinyl]-N-(phenylmethyl)-(9CI) (CA INDEX NAME)

IT 466663-48-9P, 1-Benzyl-1-piperidin-4-yl-3-pyridin-2-ylurea
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

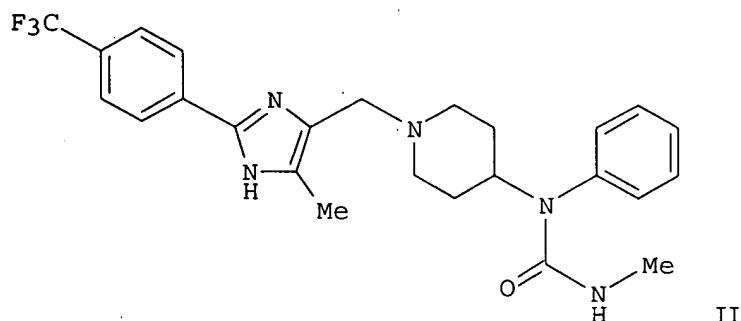
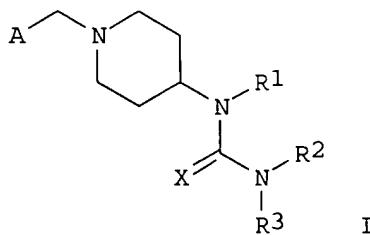
(intermediate; prepn. of imidazolylalkyl-aminopiperidines as HIV inhibitors)

RN 466663-48-9 CAPLUS

CN Urea, N-(phenylmethyl)-N-4-piperidinyl-N'-2-pyridinyl-(9CI) (CA INDEX NAME)



GI



AB Title compds. I [$R_1 = H$, alkyl, cycloalkyl, allyl, aryl, heterocyclyl; $R_{2-3} = H$, alkyl, cycloalkyl, allyl, aryl, heterocyclyl; $X = S$, O ; $A = imidazolyl$] were prep'd. For instance, N-tert-butoxycarbonyl-4-piperidone was used to alkylate aniline (CH_2Cl_2 , HOAc, $NaHB(OAc)_3$), the product converted to the corresponding carbamoyl chloride ($CH_2Cl_2/PhMe$, $NaHCO_3$, Cl_2CO) which was reacted with methylamine to give the urea intermediate. This was deprotected and the resulting piperidine alkylated with 5-methyl-2-(4-trifluoromethylphenyl)-1H-imidazole-4-carboxaldehyde (CH_2Cl_2 , $NaHB(OAc)_3$) to afford II. In the gp120-sCD4-CCR5 binding assay, compds. of the invention had IC₅₀ of about 0.5 to about 1500 nM. Compds. I prevent the human immunodeficiency virus (HIV) from entering cells by blocking interaction of the viral envelope protein gp120 with a chemokine receptor on the cell surface. I are useful for the treatment of diseases mediated by the human immunodeficiency virus (HIV), either alone or in combination with other inhibitors of HIV viral replication or with pharmacoenhancers.

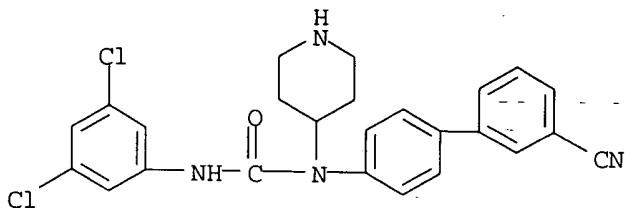
L5 ANSWER 5 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 2002:555463 CAPLUS

DN 137:125084
 TI Preparation of substituted ureas as MCH antagonists useful in the treatment of obesity
 IN McBriar, Mark D.; Palani, Anandan; Shapiro, Sherry A.; Xu, Ruo; Clader, John
 PA Schering Corporation, USA
 SO PCT Int. Appl., 106 pp.
 CODEN: PIXXD2

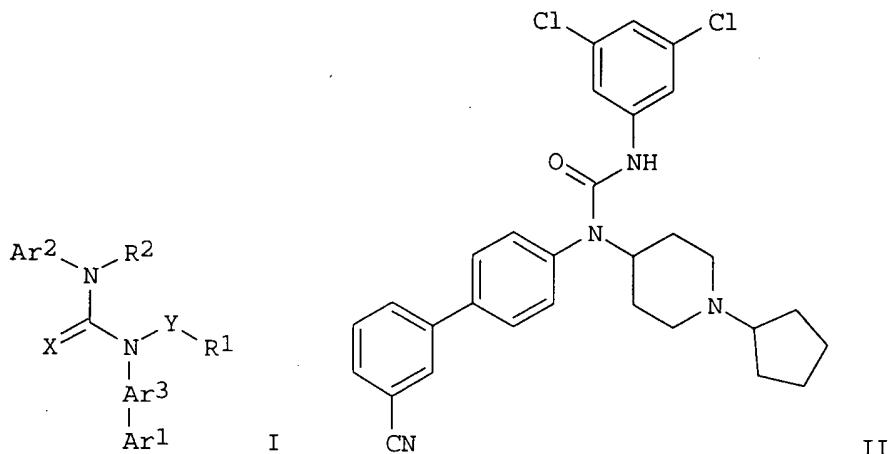
DT Patent
 LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|------------------|----------|
| PI | WO 2002057233 | A1 | 20020725 | WO 2001-US45242 | 20011129 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, HR, HU, ID, IL, IN, IS, JP, KG, KR, KZ, LC, LK, LR, LT, LU, LV, MA, MD, MG, MK, MN, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | US 2003022891 | A1 | 20030130 | US 2000-250502PP | 20001201 |
| | | | | US 2001-995949 | 20011128 |
| | | | | US 2000-250502PP | 20001201 |
| OS | MARPAT 137:125084 | | | | |
| IT | 443996-26-7P | | | | |
| | RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses) | | | | |
| | (prepn. of substituted ureas as MCH antagonists useful in the treatment of obesity) | | | | |
| RN | 443996-26-7 CAPLUS | | | | |
| CN | Urea, N-(3'-cyano[1,1'-biphenyl]-4-yl)-N'-(3,5-dichlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME) | | | | |



GI



AB The title compds. [I; Ar1 = (un)substituted (hetero)aryl; Ar2 = (un)substituted (hetero)aryl, aralkyl; or Ar1 and Ar2 together form (un)substituted fluorene, fluorenone with the proviso that Ar3 must be arylene; Ar3 = (un)substituted (hetero)arylene; X = O, S, N(CN); Y = a single bond, alkylene; R1 = thiazole, (hetero)aryl, etc.; R2 = H, alkyl], useful for the treatment of metabolic and eating disorders, such as hyperphagia, and for the treatment of diabetes, were prep'd. E.g., a multi-step synthesis of the urea II, starting with 4-bromoaniline and N-Boc-piperidone, was given. For compds. I, a range MCH receptor binding activity (K_i values) of from about 0.5 nM to about 100 nM was obsd.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 6 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 2002:240729 CAPLUS

DN 136:279344

TI Preparation of substituted amino-aza-cycloalkanes as anti-malarial agents
IN Boss, Christoph; Fischli, Walter; Meyer, Solange; Richard-Bildstein,
Sylvia; Weller, Thomas

PA Actelion Pharmaceuticals Ltd Switzerland

IN ACCERION PHARMACEUTICALS
SO PCT Int Appl 73 pp

REF ID: A9110

COOKE

LA English

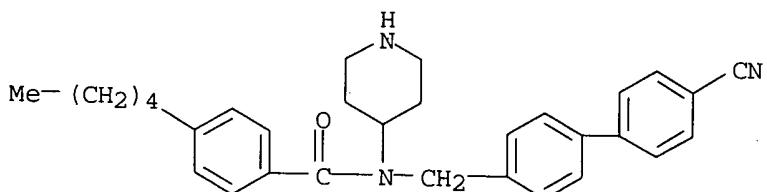
EAN CNT 1

PATENT NO

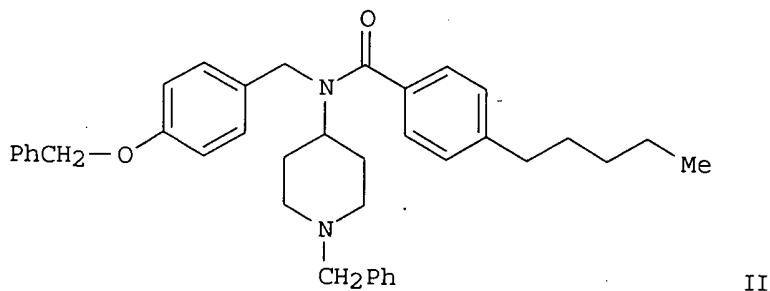
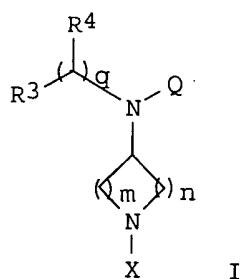
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|--|------|----------|-----------------|----------|
| WO 2002024649 | A1 | 20020328 | WO 2001-EP10272 | 20010906 |
| W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | | |
| RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |

AU 2001091830 A5 20020402 WO 2000-EP9328 W 20000925 AU 2001-91830 20010906

| | | | | |
|----|---|---|----------|---------------------------|
| NO | 2003001331 | A | 20030324 | WO 2000-EP9328 A 20000925 |
| | | | | WO 2001-EP10272W 20010906 |
| NO | 2003-1331 | | | NO 2003-1331 20030324 |
| | | | | WO 2000-EP9328 A 20000925 |
| | | | | WO 2001-EP10272W 20010906 |
| OS | MARPAT 136:279344 | | | |
| IT | 405514-84-3 | | | |
| | RL: RCT (Reactant); RACT (Reactant or reagent) | | | |
| | (reactant; prepn. of substituted amino-aza-cycloalkanes as anti-malarial agents) | | | |
| RN | 405514-84-3 CAPLUS | | | |
| CN | Benzamide, N-[(4'-cyano[1,1'-biphenyl]-4-yl)methyl]-4-pentyl-N-4-piperidinyl- (9CI) (CA INDEX NAME) | | | |



GI

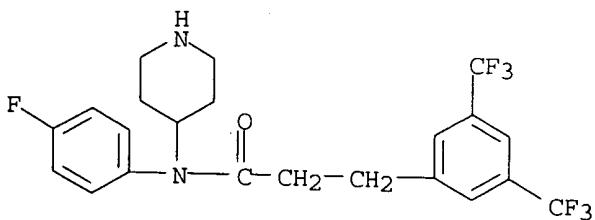


AB Title compds. I [Q = SO₂R₁, COR₁, CONHR₁, CONR₁R₂, COOR₁, (CH₂)_pR₁, (CH₂)_pCHR₁R₂; X = SO₂R₁, COR₁, CONHR₁, CONR₁R₂, COOR₁, (CH₂)_pR₁, (CH₂)_pCHR₁R₂, H; R₁₋₃ = alk(en)yl, (hetero)aryl, cycloalkyl, heterocyclyl,

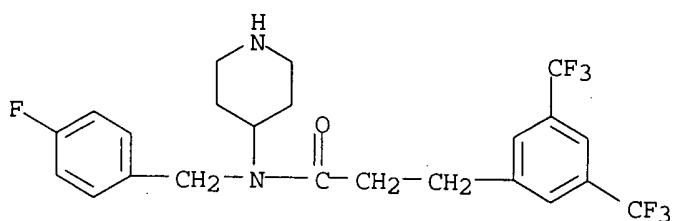
aryl-alkyl, heteroaryl-alkyl, cycloalkyl-alkyl, heterocyclyl-alkyl, etc.; R₄ = H, CH₂OR₅, COOR₅; R₅ = H, (cyclo)alkyl, (hetero)aryl, heterocyclyl, cycloalkyl-alkyl, aryl-alkyl, etc.; q = 0-1, in case t=0, R₄ is absent; m = 2-4; n = 1-2; p = 0-2] were prep'd. Examples include characterization and bioassay data for over 100 compds. For instance, 1-benzyl-4-[(4-(benzyloxy)benzyl)amino]piperidine was acylated with 4-pentylbenzoyl chloride to give II. II had IC₅₀ = 70 nM for plasmeprin II. I are useful as inhibitors of the plasmodium falciparum protease plasmeprin II or related aspartic proteases.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 7 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:1491 CAPLUS
 DN 136:379466
 TI First dual NK1 antagonists-serotonin reuptake inhibitors: synthesis and SAR of a new class of potential antidepressants
 AU Ryckmans, Thomas; Balancon, Laurent; Berton, Olivier; Genicot, Christophe; Lamberty, Yves; Lallemand, Benedicte; Pasau, Patrick; Pirlot, Nathalie; Quere, Luc; Talaga, Patrice
 CS Chemical Research, R&D, UCB Pharma SA, Braine-l'Alleud, B-1420, Belg.
 SO Bioorganic & Medicinal Chemistry Letters (2002), 12(2), 261-264
 CODEN: BMCLE8; ISSN: 0960-894X
 PB Elsevier Science Ltd.
 DT Journal
 LA English
 IT 425382-95-2P 425382-96-3P 425382-97-4P
 425382-98-5P 425383-02-4P 425383-03-5P
 425383-04-6P 425383-05-7P 425383-06-8P
 425383-07-9P 425383-08-0P 425383-09-1P
 425383-10-4P 425383-11-5P 425383-12-6P
 425383-13-7P 425383-14-8P 425383-15-9P
 425383-16-0P
 RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (dual NK1 antagonists-serotonin reuptake inhibitors: synthesis and SAR of potential antidepressants)
 RN 425382-95-2 CAPLUS
 CN Benzenepropanamide, N-(4-fluorophenyl)-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)

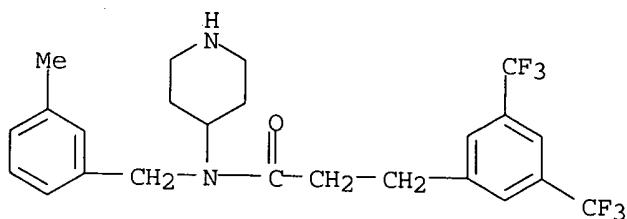


RN 425382-96-3 CAPLUS
 CN Benzenepropanamide, N-[(4-fluorophenyl)methyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



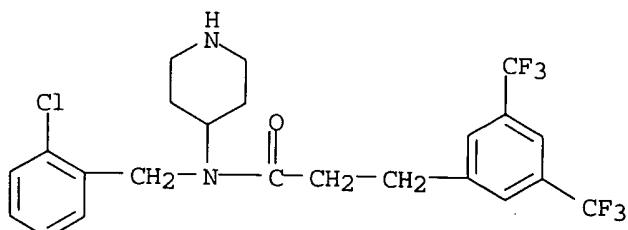
RN 425382-97-4 CAPLUS

CN Benzenepropanamide, N-[(3-methylphenyl)methyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



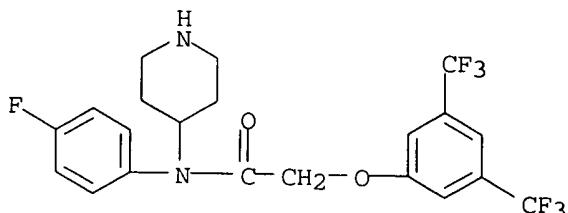
RN 425382-98-5 CAPLUS

CN Benzenepropanamide, N-[(2-chlorophenyl)methyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



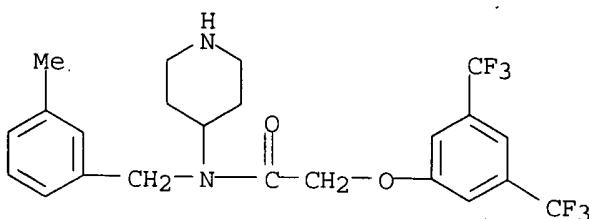
RN 425383-02-4 CAPLUS

CN Acetamide, 2-[3,5-bis(trifluoromethyl)phenoxy]-N-[(3-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

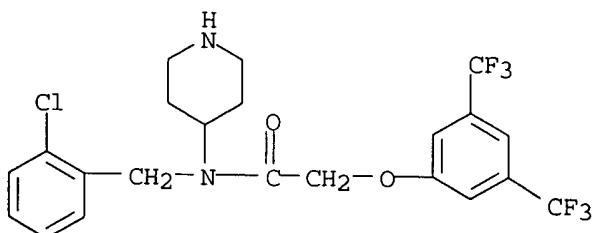


RN 425383-03-5 CAPLUS

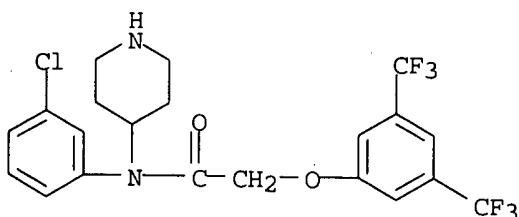
CN Acetamide, 2-[3,5-bis(trifluoromethyl)phenoxy]-N-[(3-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



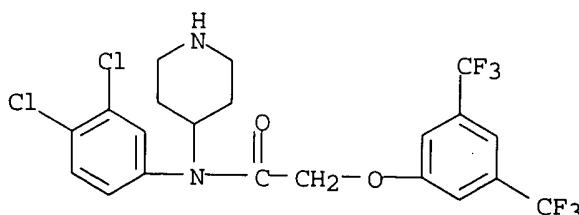
RN 425383-04-6 CAPLUS
 CN Acetamide, 2-[3,5-bis(trifluoromethyl)phenoxy]-N-[(2-chlorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 425383-05-7 CAPLUS
 CN Acetamide, 2-[3,5-bis(trifluoromethyl)phenoxy]-N-(3-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

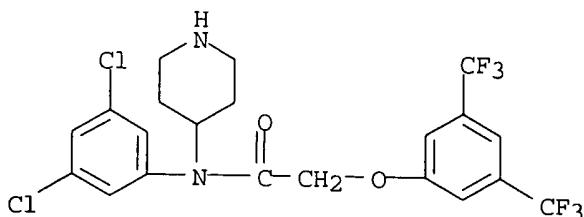


RN 425383-06-8 CAPLUS
 CN Acetamide, 2-[3,5-bis(trifluoromethyl)phenoxy]-N-(3,4-dichlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



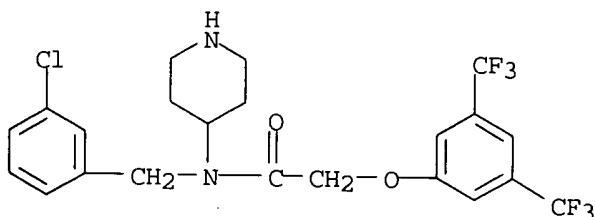
RN 425383-07-9 CAPLUS

CN Acetamide, 2-[3,5-bis(trifluoromethyl)phenoxy]-N-(3,5-dichlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



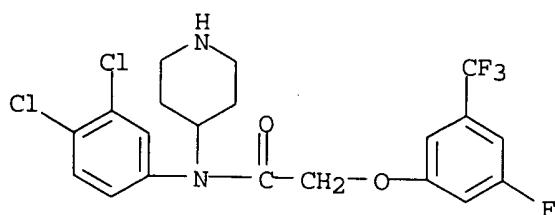
RN 425383-08-0 CAPLUS

CN Acetamide, 2-[3,5-bis(trifluoromethyl)phenoxy]-N-[(3-chlorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



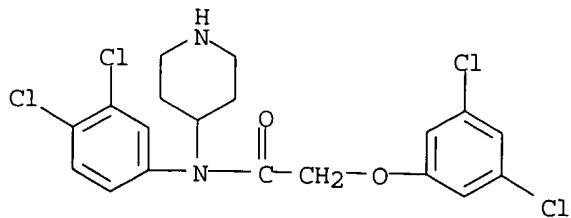
RN 425383-09-1 CAPLUS

CN Acetamide, N-(3,4-dichlorophenyl)-2-[3-fluoro-5-(trifluoromethyl)phenoxy]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

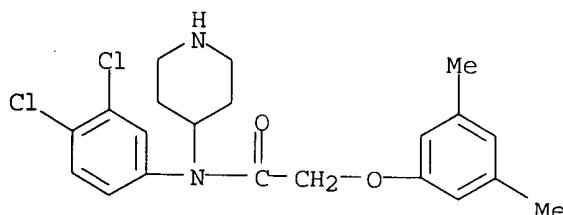


RN 425383-10-4 CAPLUS

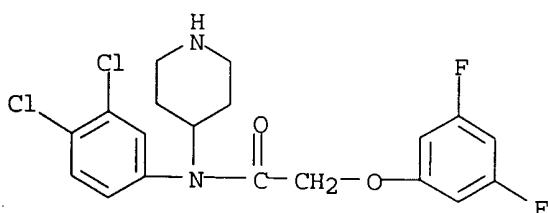
CN Acetamide, 2-(3,5-dichlorophenoxy)-N-(3,4-dichlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 425383-11-5 CAPLUS

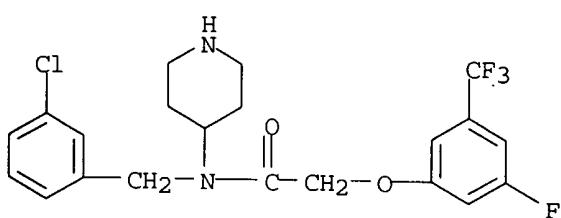
CN Acetamide, N-(3,4-dichlorophenyl)-2-(3,5-dimethylphenoxy)-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 425383-12-6 CAPLUS

CN Acetamide, N-(3,4-dichlorophenyl)-2-(3,5-difluorophenoxy)-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

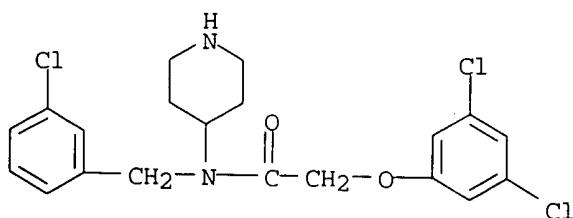
RN 425383-13-7 CAPLUS

CN Acetamide, N-[(3-chlorophenyl)methyl]-2-[3-fluoro-5-(trifluoromethyl)phenoxy]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



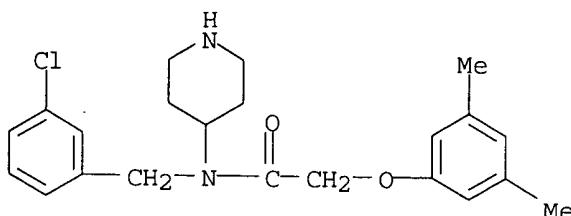
RN 425383-14-8 CAPLUS

CN Acetamide, N-[(3-chlorophenyl)methyl]-2-(3,5-dichlorophenoxy)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



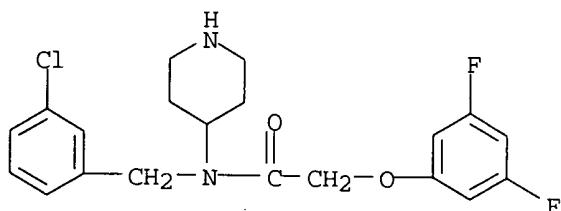
RN 425383-15-9 CAPLUS

CN Acetamide, N-[(3-chlorophenyl)methyl]-2-(3,5-dimethylphenoxy)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

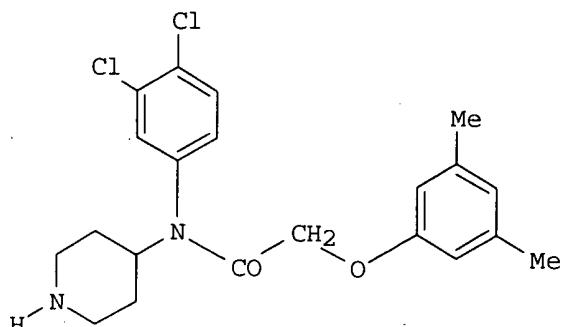


RN 425383-16-0 CAPLUS

CN Acetamide, N-[(3-chlorophenyl)methyl]-2-(3,5-difluorophenoxy)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



GI



I

AB Compds. combining NK1 antagonism and serotonin reuptake inhibition are described, and potentially represent a new generation of antidepressants. Compd. I displays good affinities for both the NK1 receptor and the serotonin reuptake site (32 and 25 nM, resp.).

RE.CNT 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 8 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 2001:851116 CAPLUS

DN 135:371644

TI Pharmaceutically active **piperidine** derivatives, in particular as

modulators of chemokine receptor activity
 IN Burrows, Jeremy; Cooper, Anne; Cumming, John; Mcinally, Thomas; Tucker, Howard

PA Astrazeneca AB, Swed.
 SO PCT Int. Appl., 122 pp.
 CODEN: PIXXD2

DT Patent

LA English

FAN CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|------------|
| PI | WO 2001087839 | A1 | 20011122 | WO 2001-SE1053 | 20010514 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
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BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | BR 2001010767 | A | 20030211 | GB 2000-11838 | A 20000517 |
| | | | | BR 2001-10767 | 20010514 |
| | | | | GB 2000-11838 | A 20000517 |
| | | | | WO 2001-SE1053 | W 20010514 |
| EP | 1289957 | A1 | 20030312 | EP 2001-932457 | 20010514 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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| | | | | WO 2001-SE1053 | W 20010514 |
| NO | 2002005430 | A | 20021218 | NO 2002-5430 | 20021113 |
| | | | | GB 2000-11838 | A 20000517 |
| | | | | WO 2001-SE1053 | W 20010514 |

OS MARPAT 135:371644

IT 374724-63-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(pharmaceutically active piperidine derivs. as modulators of chemokine receptor activity)

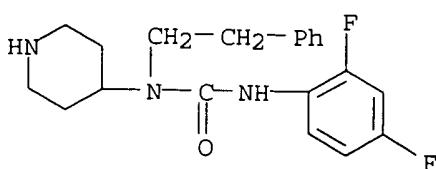
RN 374724-63-7 CAPLUS

CN Urea, N'-(2,4-difluorophenyl)-N-(2-phenylethyl)-N-4-piperidinyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

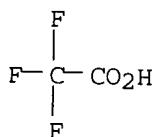
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CMF C20 H23 F2 N3 O

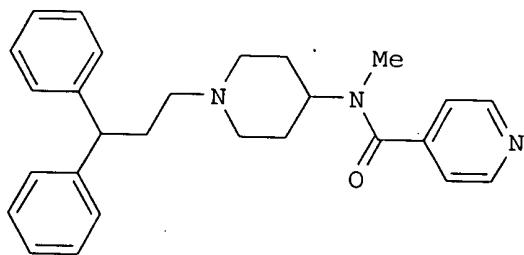
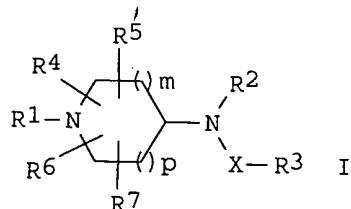


CM 2

CRN 76-05-1
CMF C2 H F3 O2



GI



AB The title compds., e.g., [I; R1 = (un)substituted C1-6 alkyl, C3-7 cycloalkyl, C3-8 alkenyl or C3-8 alkynyl; R2 = H, C1-8 alkyl, C3-8 alkenyl, C3-8 alkynyl, C3-7 cycloalkyl, aryl, heteroaryl, heterocyclyl, aryl (C1-4)alkyl, heteroaryl(C1-4)alkyl, or heterocyclyl(C1-4)alkyl; R3 = C1-8 alkyl, C2-8 alkenyl, mono- or disubstituted amine, C2-8 alkynyl, C3-7 cycloalkyl, C3-7 cycloalkenyl, aryl, heteroaryl, heterocyclyl, aryl (C1-4)alkyl, heteroaryl(C1-4)alkyl, or heterocyclyl(C1-4)alkyl; R4, R5, R6 and R7 = independently H, (un)substituted C1-6 alkyl, (un)substituted S(O)2NH₂ or two of R4, R5, R6 and R7 can join to form, together with the ring to which they are attached, a bicyclic ring system or two of R4, R5, R6 and R7 can form an endocyclic bond; X = C(O), S(O)₂, C(O)C(O), a direct bond or (un)substituted C(O)C(O)N; m and p = independently 0, 1 or 2; or a pharmaceutically acceptable salt or solvate thereof], compns. comprising them, processes for prep. then and their use in modulating CCR5 receptor activity (no data). Thus, reacting isonicotinic acid with 4-methylamino-1-(3,3-diphenylpropyl)piperidine hydrochloride (prepn. given) in the presence of diisopropylethylamine in NMP followed by a soln. of bromo-tris-pyrrolidinophosphonium hexafluorophosphate in NMP

(S.C.R.A.S.), Fr.

SO PCT Int. Appl., 193 pp.
CODEN: PIXXD2DT Patent
LA French

FAN.CNT 1

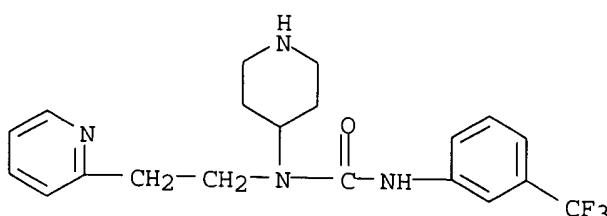
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|------------|
| PI | WO 2001044191 | A1 | 20010621 | WO 2000-FR3497 | 20001213 |
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| | RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| FR | 2802206 | A1 | 20010615 | FR 1999-15724 | A 19991214 |
| EP | 1286966 | A1 | 20030305 | FR 1999-15724 | 19991214 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | EP 2000-993405 | 20001213 |
| JP | 2003516965 | T2 | 20030520 | FR 1999-15724 | A 19991214 |
| | | | | WO 2000-FR3497 | W 20001213 |
| | | | | JP 2001-544681 | 20001213 |
| | | | | FR 1999-15724 | A 19991214 |
| | | | | WO 2000-FR3497 | W 20001213 |
| OS | MARPAT 135:46106 | | | | |
| IT | 344783-91-1P 344783-93-3P 344783-95-5P
344783-97-7P 344784-00-5P 344784-01-6P
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 344789-78-2P 344789-79-3P 344790-73-4P
 344790-74-5P 344790-76-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; prepn. of aminopiperidine derivs. as somatostatin receptor ligands)

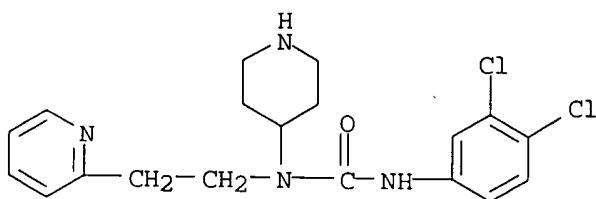
RN 344783-91-1 CAPLUS

CN Urea, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-N'-(3-(trifluoromethyl)phenyl]-(9CI) (CA INDEX NAME)

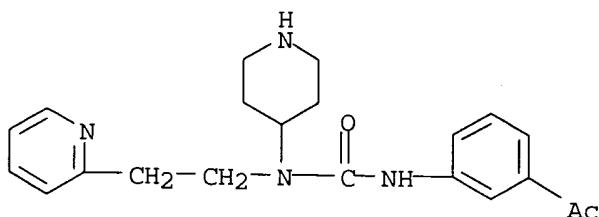


RN 344783-93-3 CAPLUS

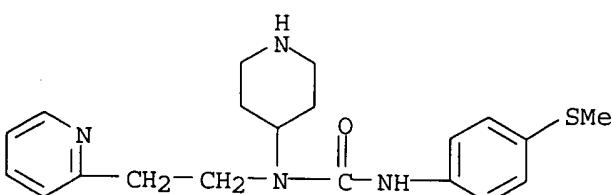
CN Urea, N'-(3,4-dichlorophenyl)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-(9CI) (CA INDEX NAME)



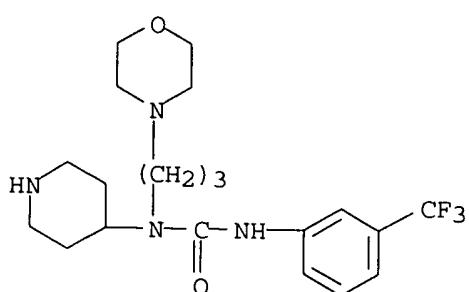
RN 344783-95-5 CAPLUS
 CN Urea, N'-(3-acetylphenyl)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI)
 (CA INDEX NAME)



RN 344783-97-7 CAPLUS
 CN Urea, N'-[4-(methylthio)phenyl]-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-
 (9CI) (CA INDEX NAME)

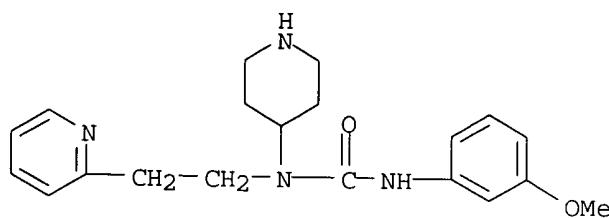


RN 344784-00-5 CAPLUS
 CN Urea, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl-N'-(3-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



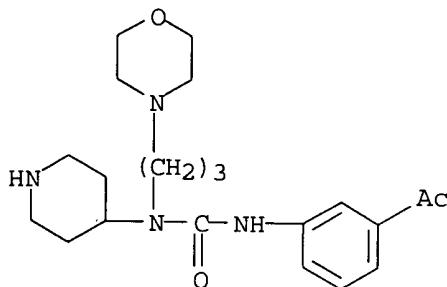
RN 344784-01-6 CAPLUS
 CN Urea, N'-(3-methoxyphenyl)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI)

(CA INDEX NAME)



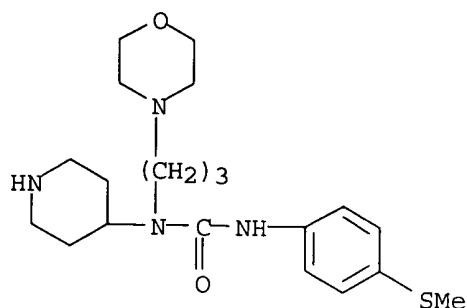
RN 344784-02-7 CAPLUS

CN Urea, N'-(3-acetylphenyl)-N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



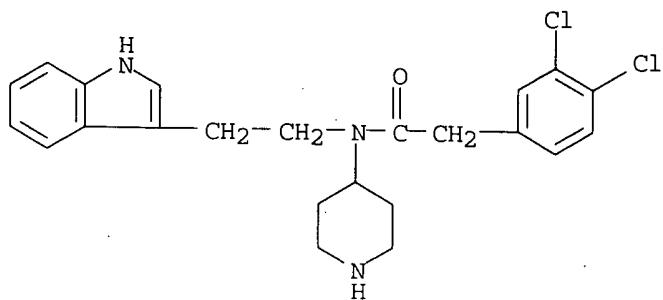
RN 344784-03-8 CAPLUS

CN Urea, N'-[4-(methylthio)phenyl]-N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



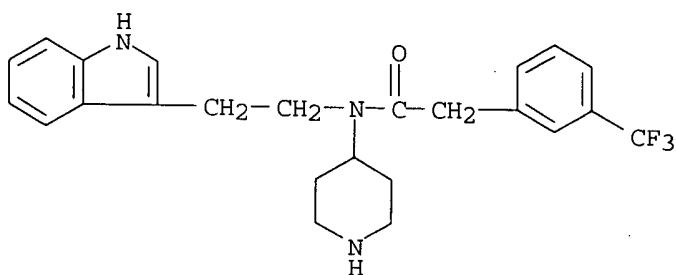
RN 344785-45-1 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



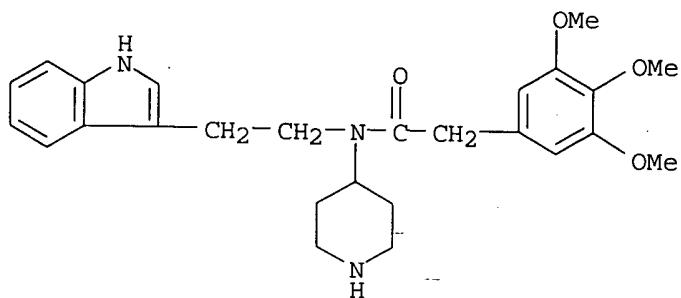
RN 344785-46-2 CAPLUS

CN Benzeneacetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



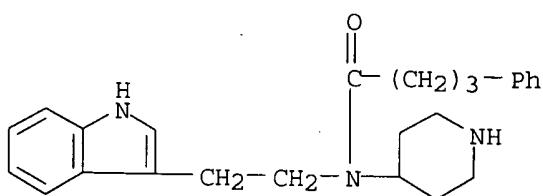
RN 344785-47-3 CAPLUS

CN Benzeneacetamide, N-[2-(1H-indol-3-yl)ethyl]-3,4,5-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



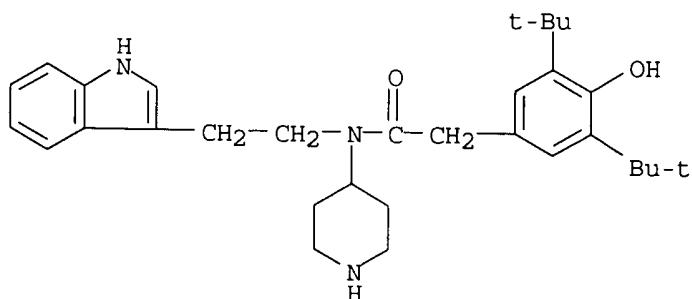
RN 344785-48-4 CAPLUS

CN Benzenebutanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-49-5 CAPLUS

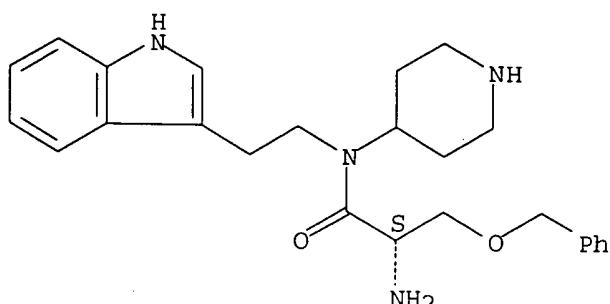
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-50-8 CAPLUS

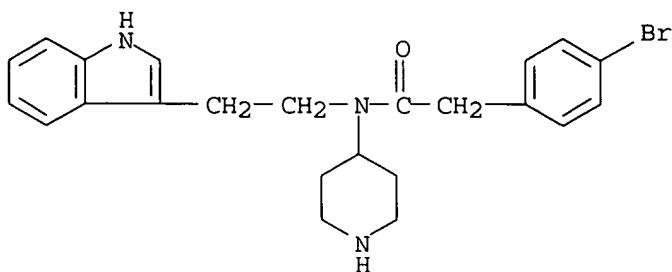
CN Propanamide, 2-amino-N-[2-(1H-indol-3-yl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

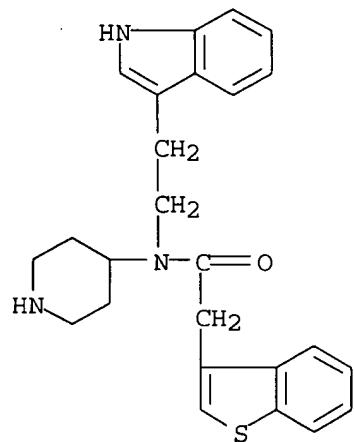


RN 344785-51-9 CAPLUS

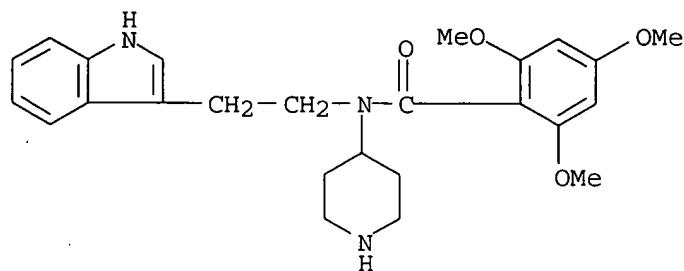
CN Benzeneacetamide, 4-bromo-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-52-0 CAPLUS

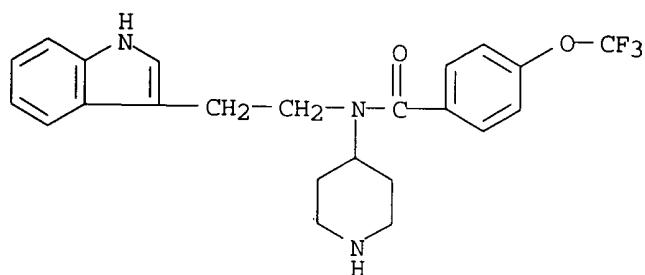
CN Benzo[b]thiophene-3-acetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344785-55-3 CAPLUS

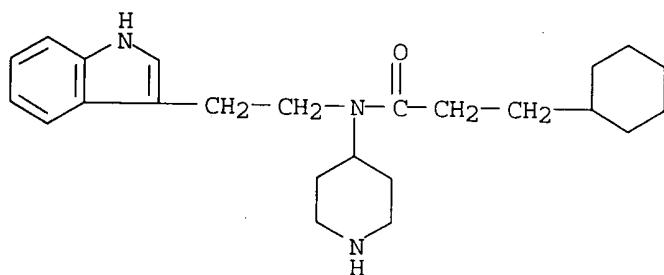
CN Benzamide, N-[2-(1H-indol-3-yl)ethyl]-2,4,6-trimethoxy-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344785-56-4 CAPLUS

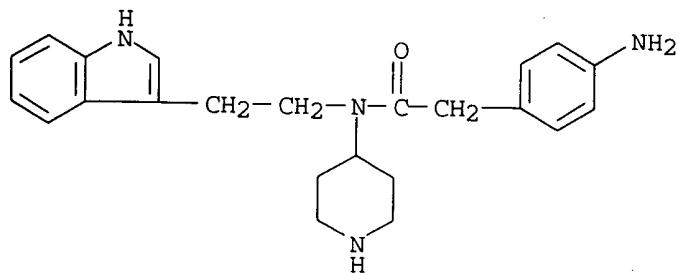
CN Benzamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)-
(9CI) (CA INDEX NAME)



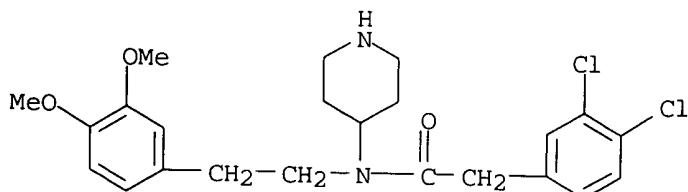
RN 344785-57-5 CAPLUS
 CN Cyclohexanepropanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
 (CA INDEX NAME)

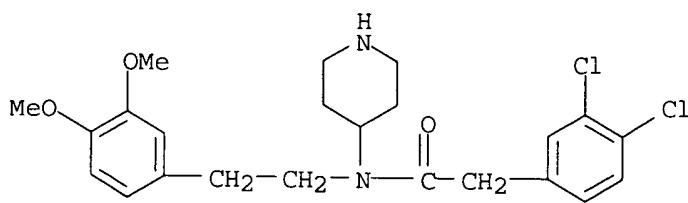


RN 344785-58-6 CAPLUS
 CN Benzeneacetamide, 4-amino-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

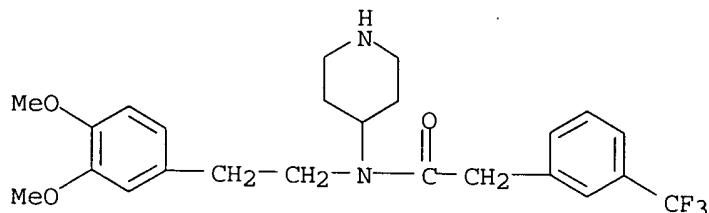


RN 344785-59-7 CAPLUS
 CN Benzeneacetamide, 3,4-dichloro-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

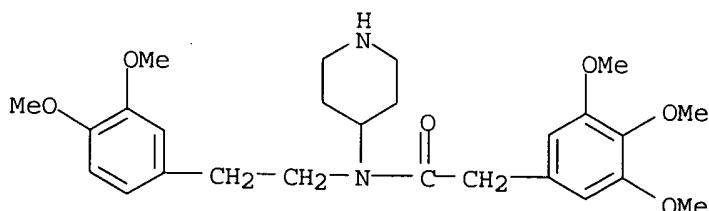




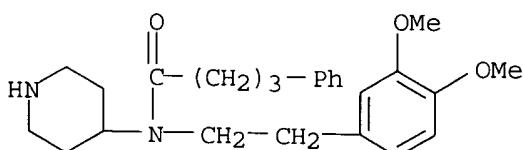
RN 344785-60-0 CAPLUS
 CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



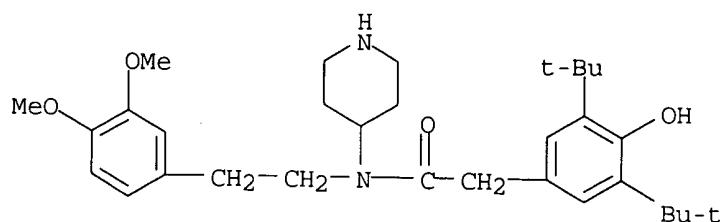
RN 344785-61-1 CAPLUS
 CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3,4,5-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-62-2 CAPLUS
 CN Benzenebutanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI)
 (CA INDEX NAME)



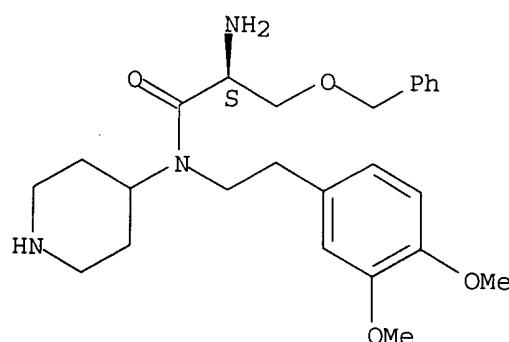
RN 344785-63-3 CAPLUS
 CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-64-4 CAPLUS

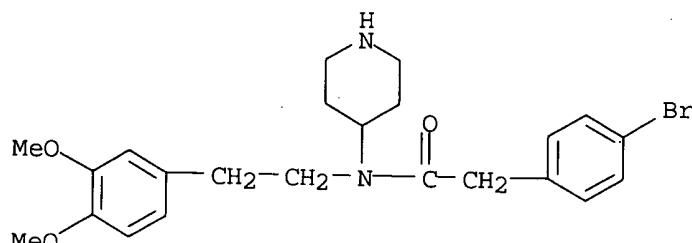
CN Propanamide, 2-amino-N-[2-(3,4-dimethoxyphenyl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344785-65-5 CAPLUS

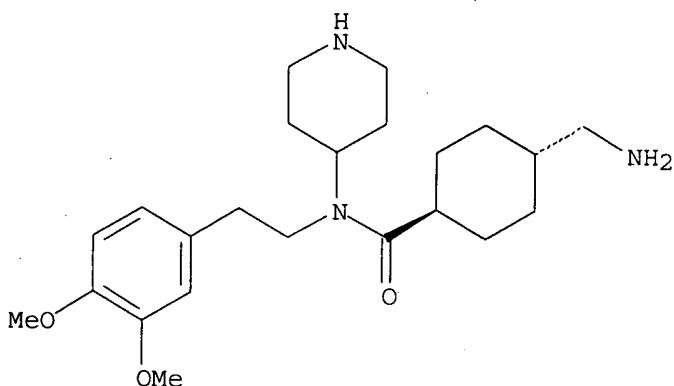
CN Benzeneacetamide, 4-bromo-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-66-6 CAPLUS

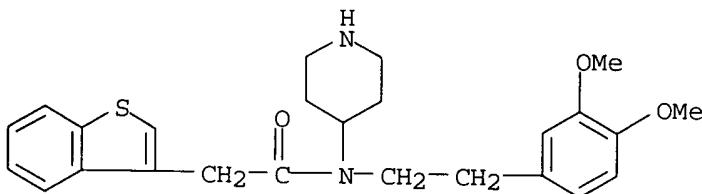
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



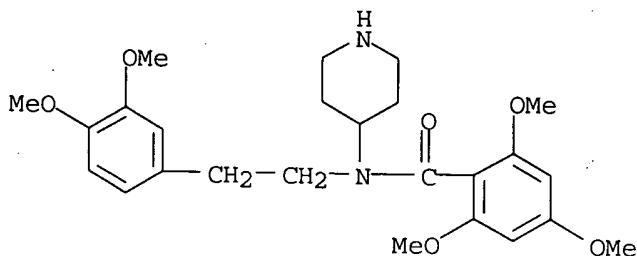
RN 344785-67-7 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



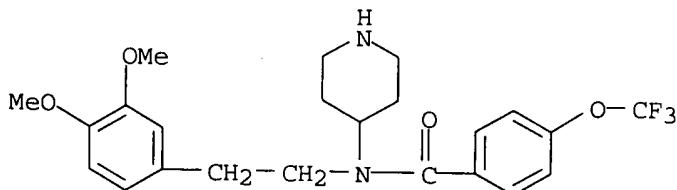
RN 344785-70-2 CAPLUS

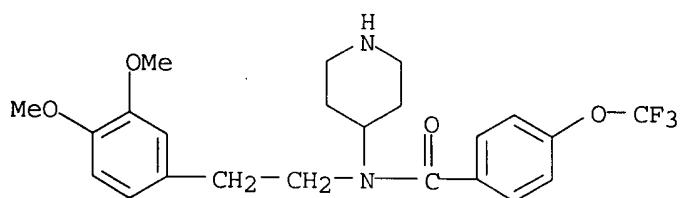
CN Benzamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-2,4,6-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-71-3 CAPLUS

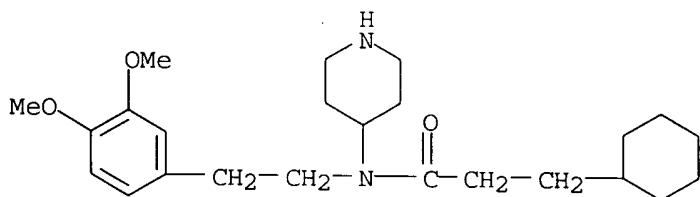
CN Benzamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)





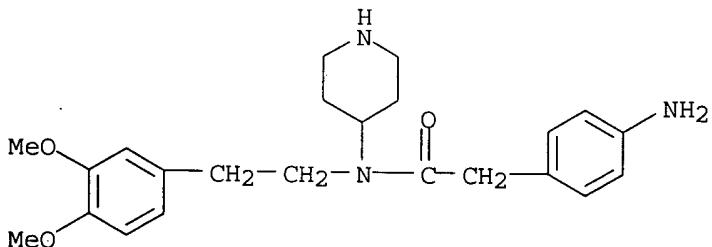
RN 344785-72-4 CAPLUS

CN Cyclohexanepropanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-(9CI) (CA INDEX NAME)



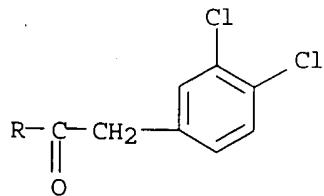
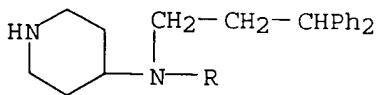
RN 344785-73-5 CAPLUS

CN Benzeneacetamide, 4-amino-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-(9CI) (CA INDEX NAME)



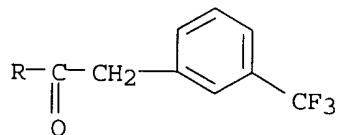
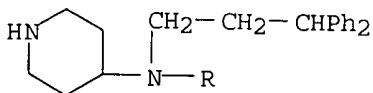
RN 344785-74-6 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-(3,3-diphenylpropyl)-N-4-piperidinyl-(9CI) (CA INDEX NAME)



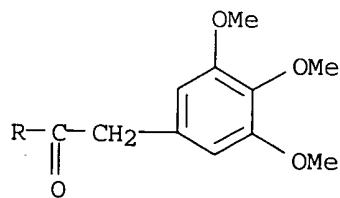
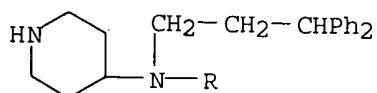
RN 344785-75-7 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-3-(trifluoromethyl)-(9CI) (CA INDEX NAME)



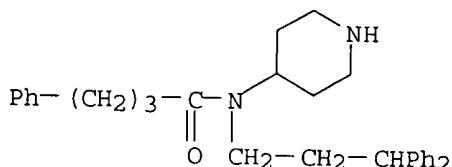
RN 344785-76-8 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-3,4,5-trimethoxy-N-4-piperidinyl-(9CI) (CA INDEX NAME)



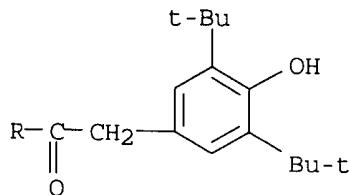
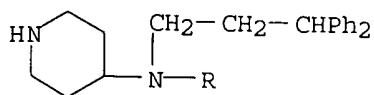
RN 344785-77-9 CAPLUS

CN Benzenebutanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-(9CI) (CA INDEX NAME)



RN 344785-78-0 CAPLUS

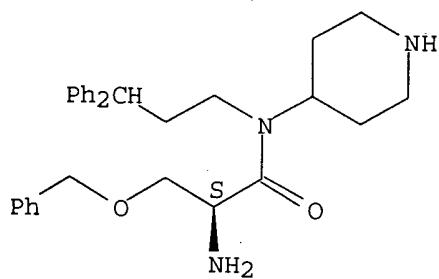
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-N-(3,3-diphenylpropyl)-4-hydroxy-N-4-piperidinyl-(9CI) (CA INDEX NAME)



RN 344785-79-1 CAPLUS

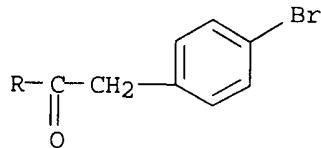
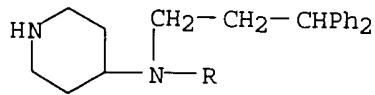
CN Propanamide, 2-amino-N-(3,3-diphenylpropyl)-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



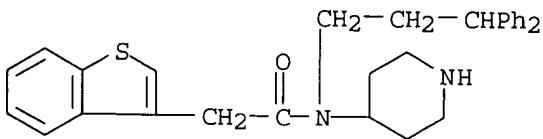
RN 344785-81-5 CAPLUS

CN Benzeneacetamide, 4-bromo-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

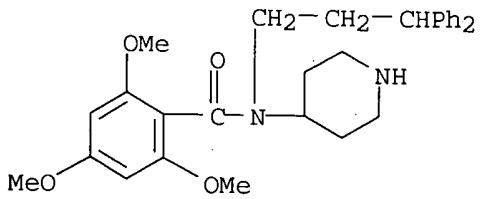


RN 344785-82-6 CAPLUS

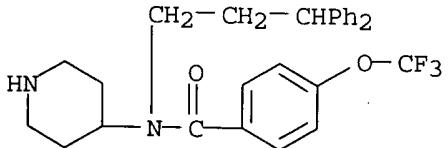
CN Benzo[b]thiophene-3-acetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



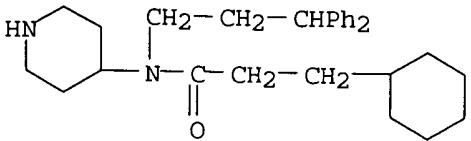
RN 344785-85-9 CAPLUS
 CN Benzamide, N-(3,3-diphenylpropyl)-2,4,6-trimethoxy-N-4-piperidinyl- (9CI)
 (CA INDEX NAME)



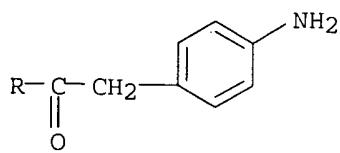
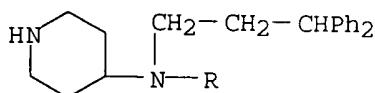
RN 344785-86-0 CAPLUS
 CN Benzamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-4-(trifluoromethoxy) -
 (9CI) (CA INDEX NAME)



RN 344785-87-1 CAPLUS
 CN Cyclohexanepropanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA
 INDEX NAME)

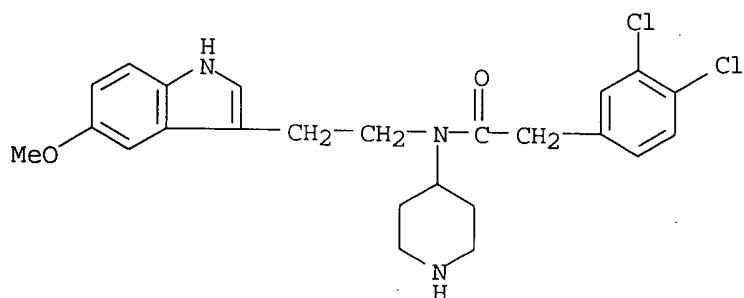


RN 344785-88-2 CAPLUS
 CN Benzeneacetamide, 4-amino-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI)
 (CA INDEX NAME)



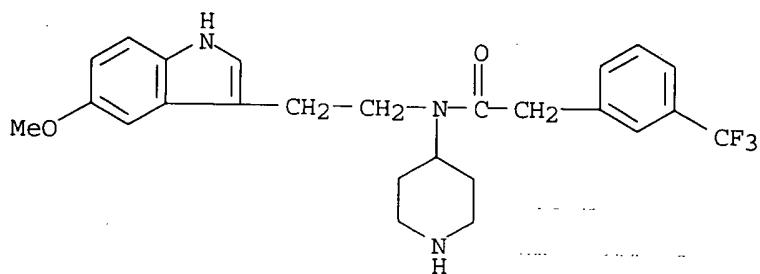
RN 344785-89-3 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



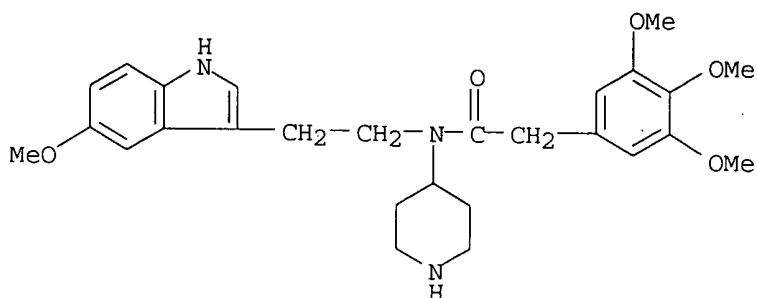
RN 344785-90-6 CAPLUS

CN Benzeneacetamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



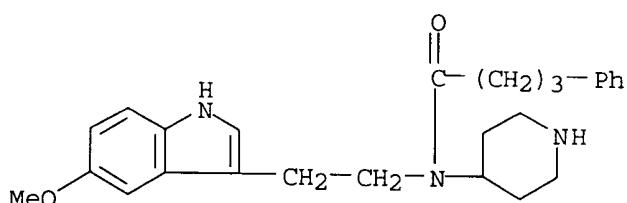
RN 344785-91-7 CAPLUS

CN Benzeneacetamide, 3,4,5-trimethoxy-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



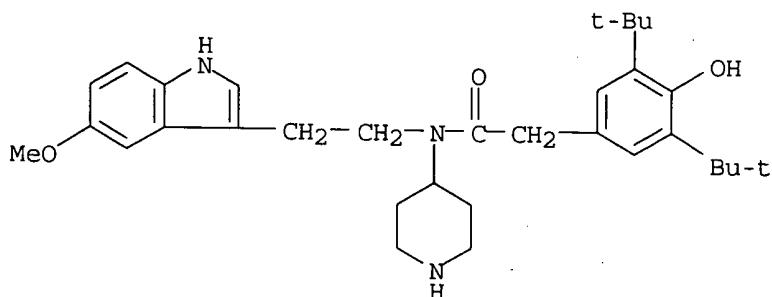
RN 344785-92-8 CAPLUS

CN Benzenebutanamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-93-9 CAPLUS

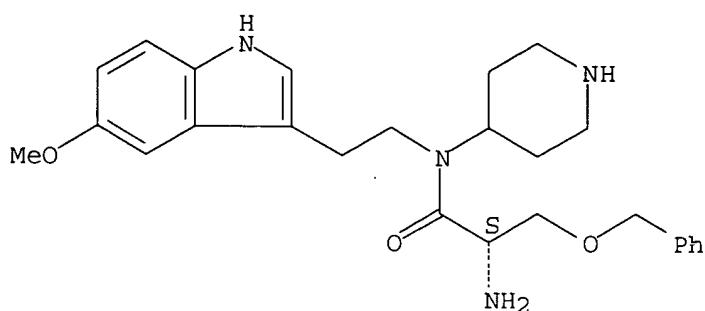
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-94-0 CAPLUS

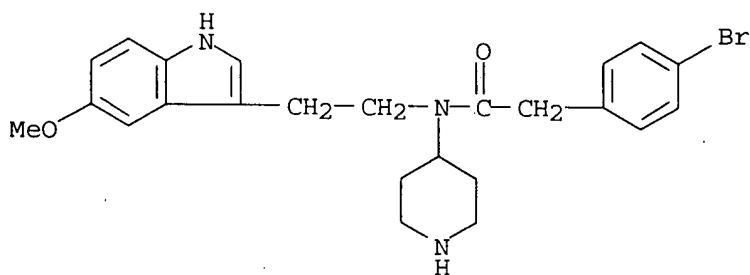
CN Propanamide, 2-amino-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344785-95-1 CAPLUS

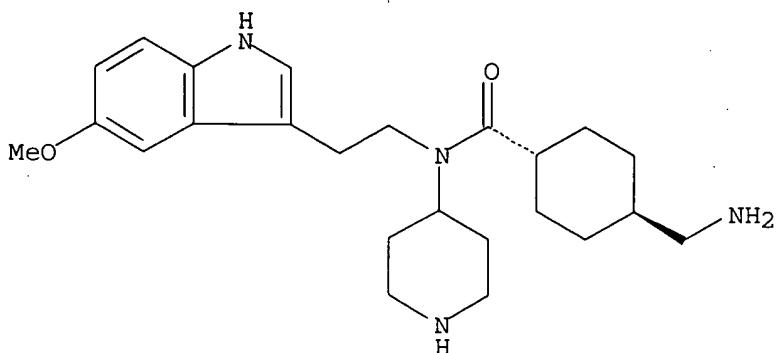
CN Benzeneacetamide, 4-bromo-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-96-2 CAPLUS

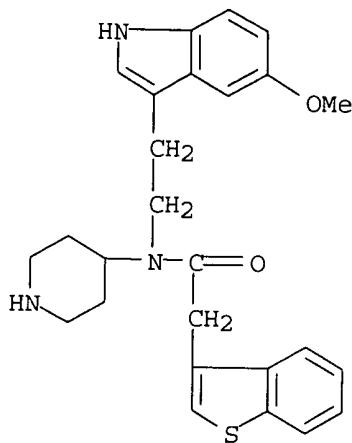
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



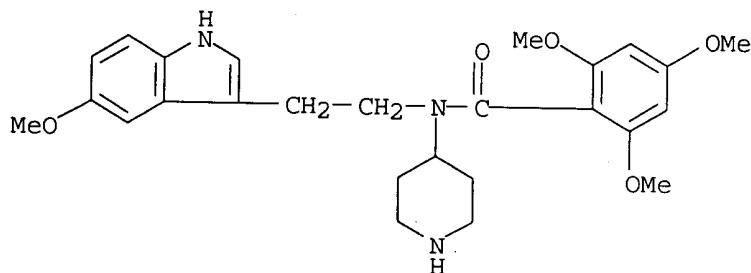
RN 344785-97-3 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



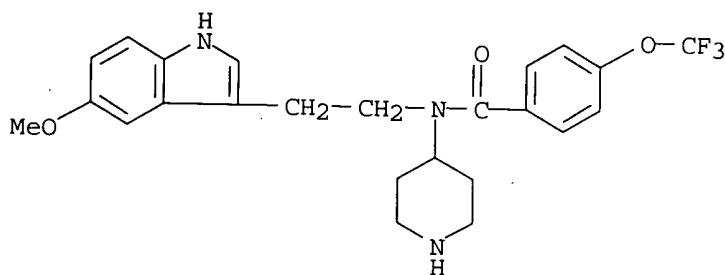
RN 344786-00-1 CAPLUS

CN Benzamide, 2,4,6-trimethoxy-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



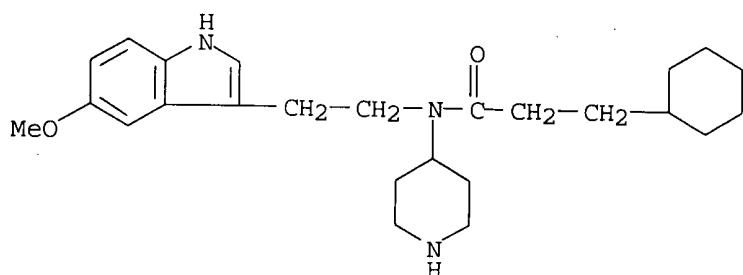
RN 344786-01-2 CAPLUS

CN Benzamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



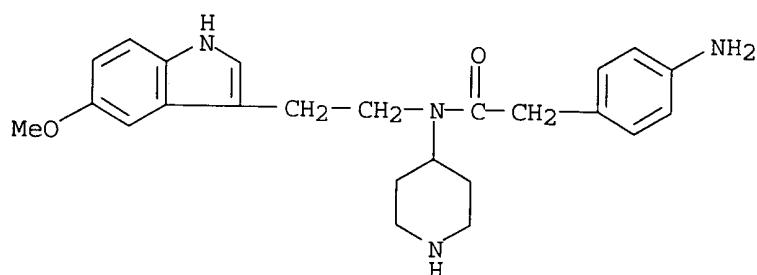
RN 344786-02-3 CAPLUS

CN Cyclohexanepropanamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



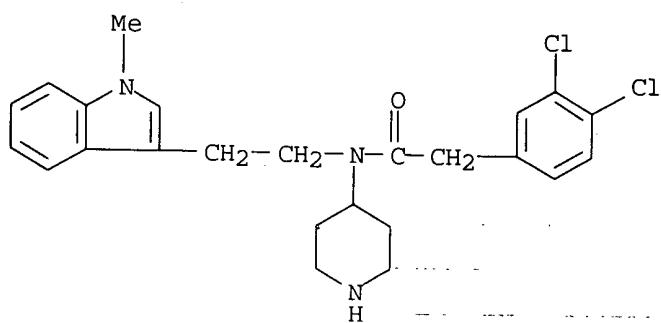
RN 344786-03-4 CAPLUS

CN Benzeneacetamide, 4-amino-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



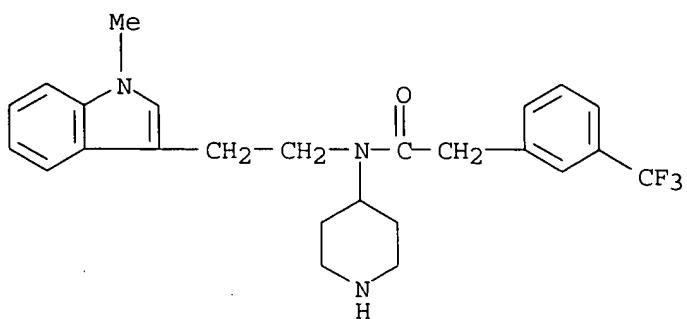
RN 344786-20-5 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



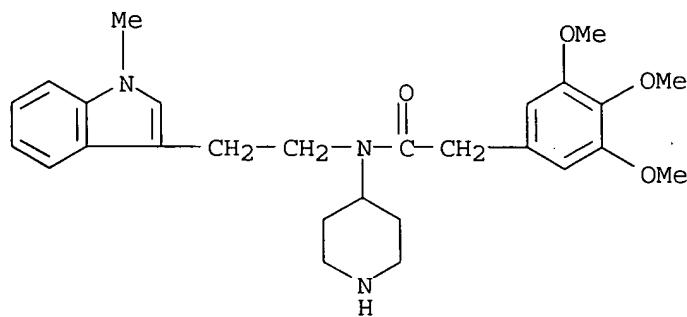
RN 344786-21-6 CAPLUS

CN Benzeneacetamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



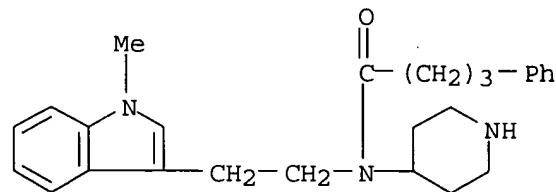
RN 344786-22-7 CAPLUS

CN Benzeneacetamide, 3,4,5-trimethoxy-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



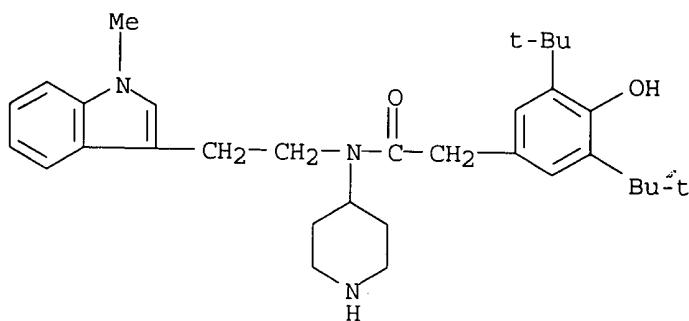
RN 344786-23-8 CAPLUS

CN Benzenebutanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-24-9 CAPLUS

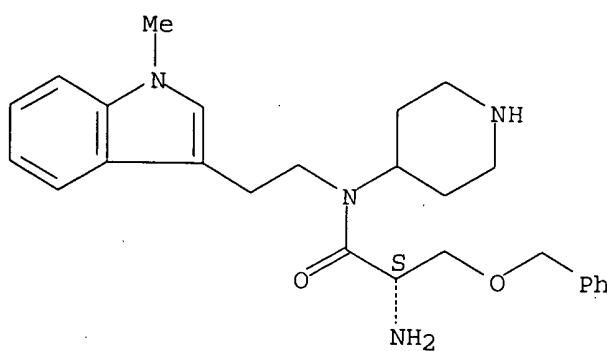
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-25-0 CAPLUS

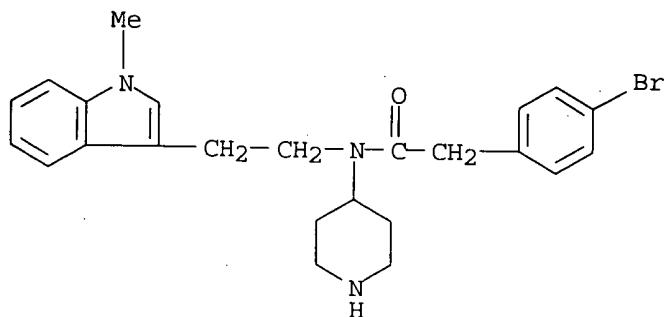
CN Propanamide, 2-amino-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344786-30-7 CAPLUS

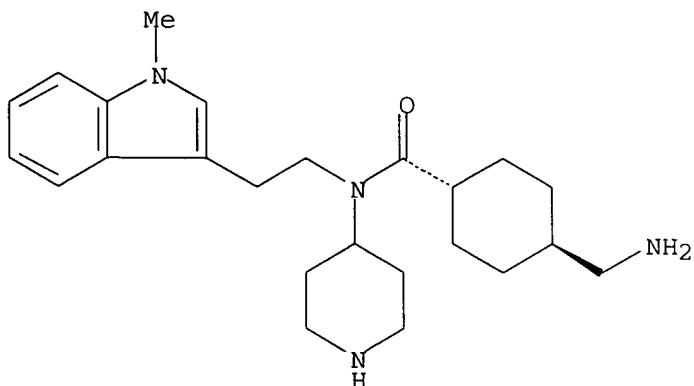
CN Benzeneacetamide, 4-bromo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-33-0 CAPLUS

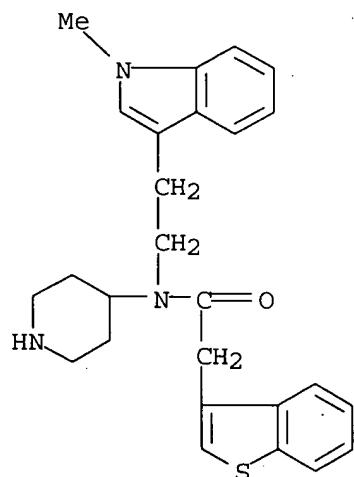
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



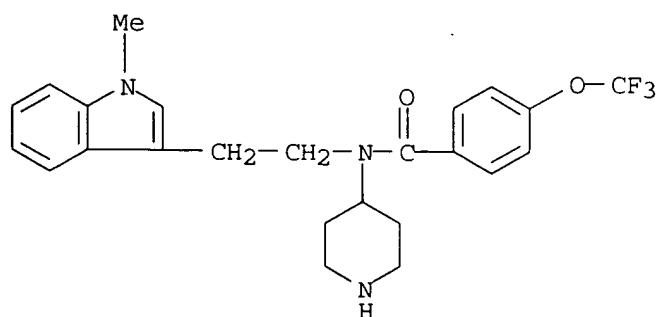
RN 344786-34-1 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



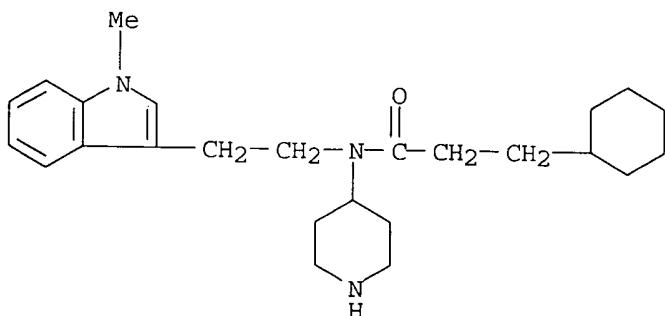
RN 344786-37-4 CAPLUS

CN Benzamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



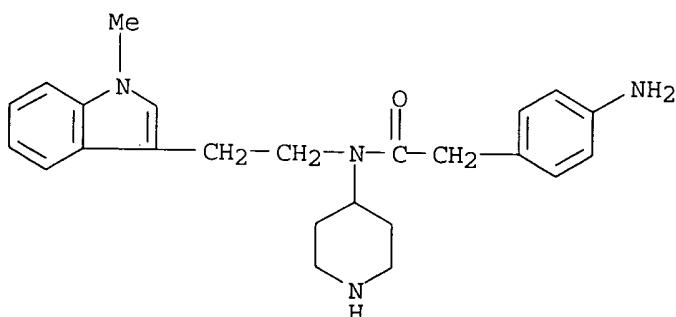
RN 344786-38-5 CAPLUS

CN Cyclohexanepropanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



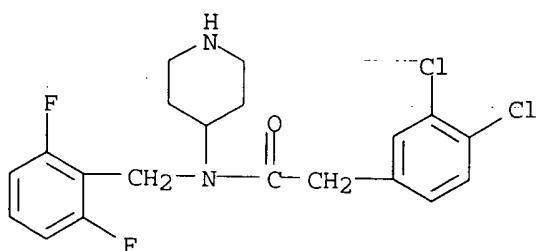
RN 344786-39-6 CAPLUS

CN Benzeneacetamide, 4-amino-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



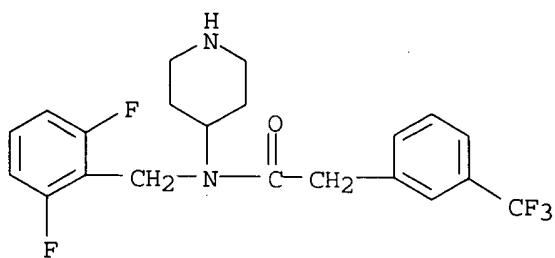
RN 344786-40-9 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



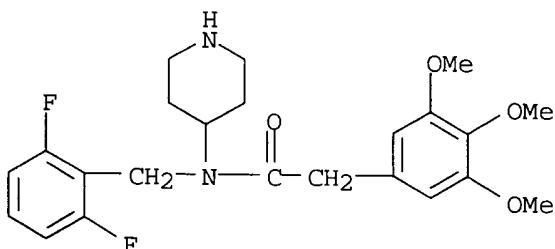
RN 344786-41-0 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



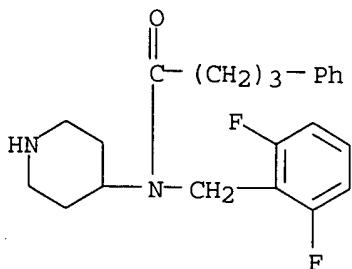
RN 344786-42-1 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-3,4,5-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



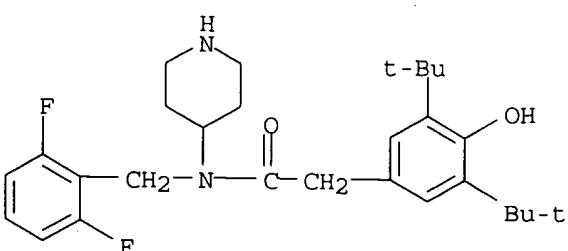
RN 344786-43-2 CAPLUS

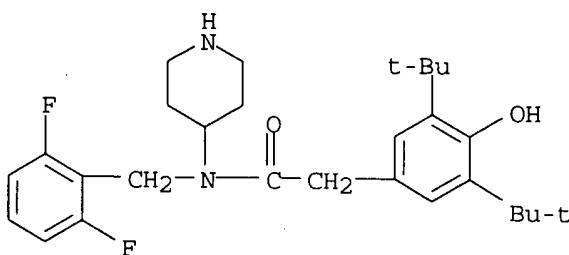
CN Benzenebutanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-44-3 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

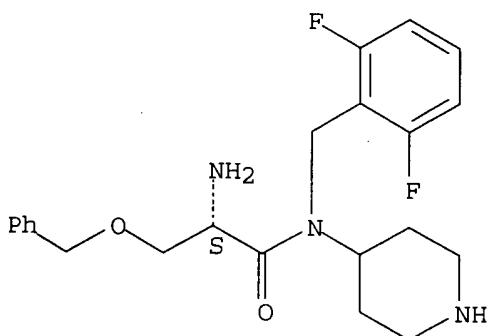




RN 344786-45-4 CAPLUS

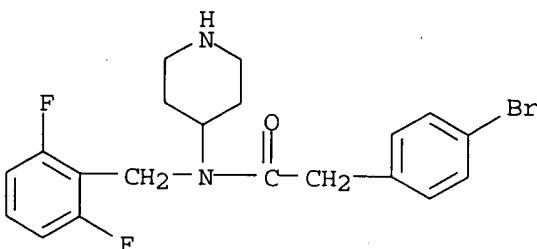
CN Propanamide, 2-amino-N-[(2,6-difluorophenyl)methyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344786-47-6 CAPLUS

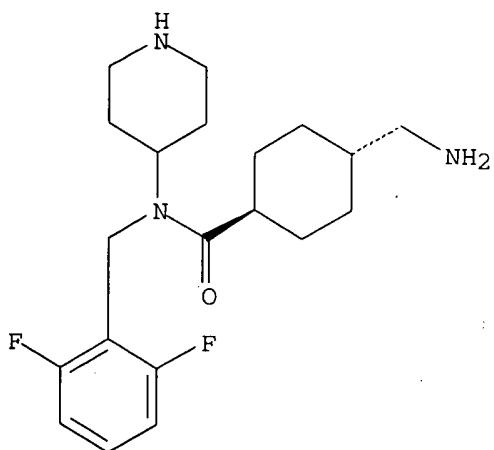
CN Benzeneacetamide, 4-bromo-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-, (9CI) (CA INDEX NAME)



RN 344786-48-7 CAPLUS

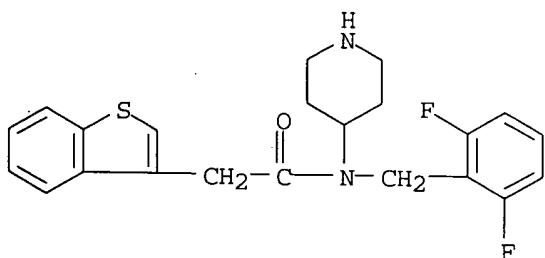
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-, trans-, (9CI) (CA INDEX NAME)

Relative stereochemistry.



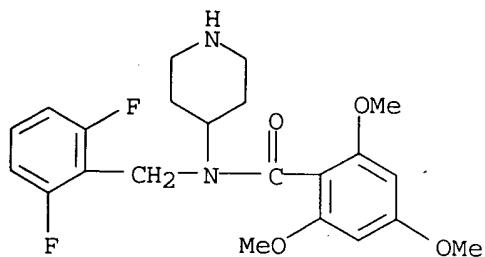
RN 344786-49-8 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



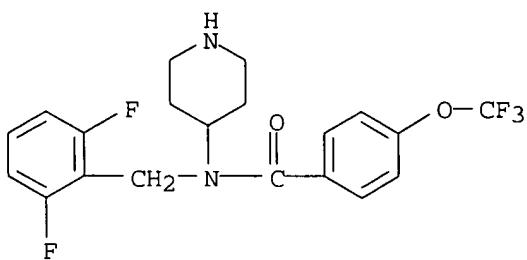
RN 344786-52-3 CAPLUS

CN Benzamide, N-[(2,6-difluorophenyl)methyl]-2,4,6-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

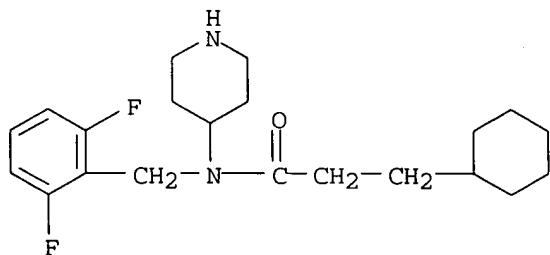


RN 344786-53-4 CAPLUS

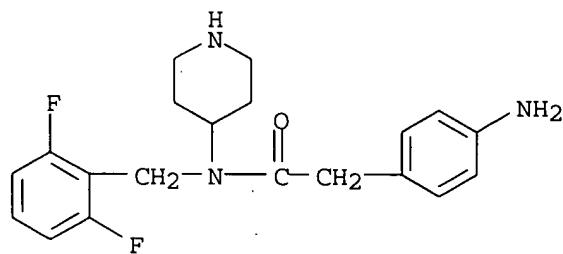
CN Benzamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



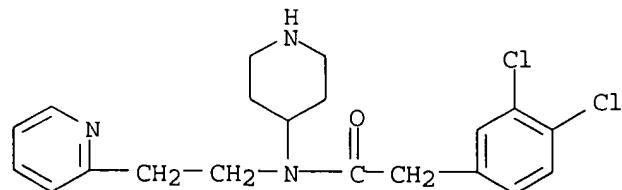
RN 344786-54-5 CAPLUS
 CN Cyclohexanepropanamide, N-[(2,6-difluorophenyl)methyl] -N-4-piperidinyl-
 (9CI) (CA INDEX NAME)



RN 344786-55-6 CAPLUS
 CN Benzeneacetamide, 4-amino-N-[(2,6-difluorophenyl)methyl] -N-4-piperidinyl-
 (9CI) (CA INDEX NAME)

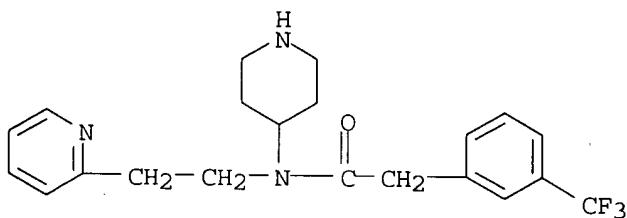


RN 344786-56-7 CAPLUS
 CN Benzeneacetamide, 3,4-dichloro-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-
 (9CI) (CA INDEX NAME)



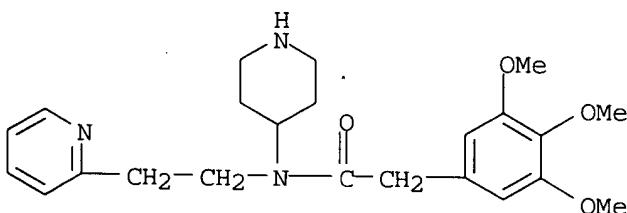
RN 344786-57-8 CAPLUS

CN Benzeneacetamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



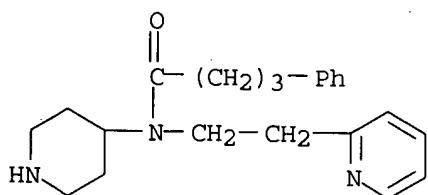
RN 344786-58-9 CAPLUS

CN Benzeneacetamide, 3,4,5-trimethoxy-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



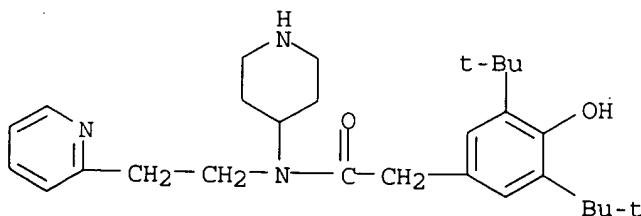
RN 344786-59-0 CAPLUS

CN Benzenebutanamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 344786-60-3 CAPLUS

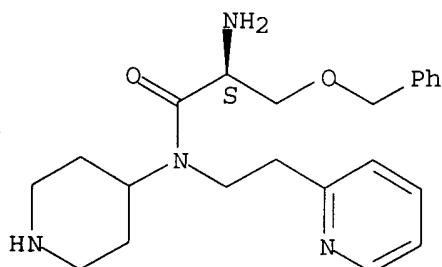
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 344786-61-4 CAPLUS

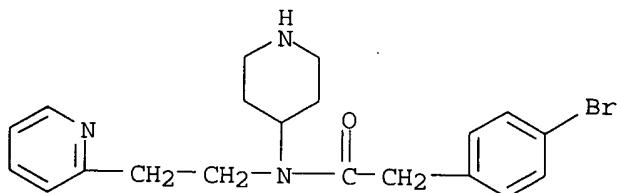
CN Propanamide, 2-amino-3-(phenylmethoxy)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344786-63-6 CAPLUS

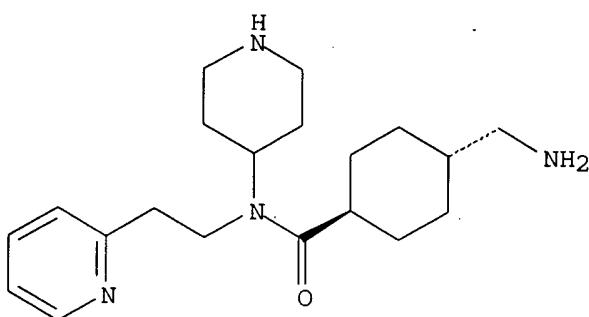
CN Benzeneacetamide, 4-bromo-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 344786-64-7 CAPLUS

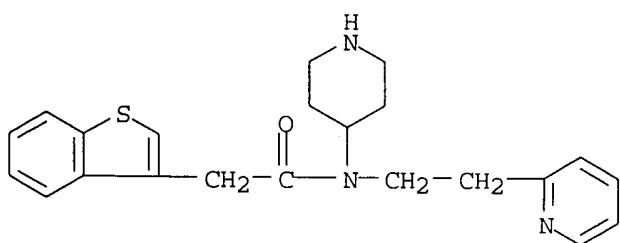
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



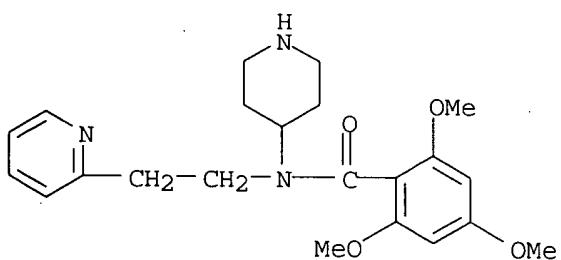
RN 344786-65-8 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



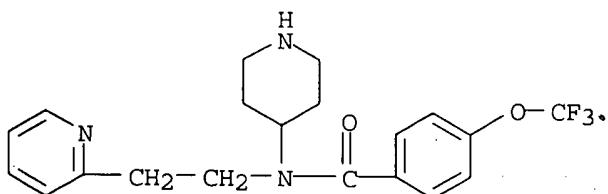
RN 344786-68-1 CAPLUS

CN Benzamide, 2,4,6-trimethoxy-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



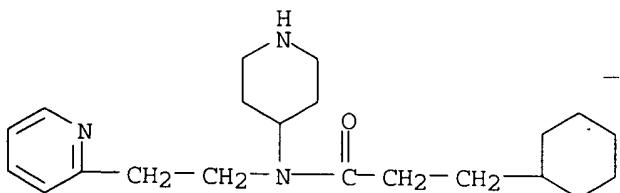
RN 344786-69-2 CAPLUS

CN Benzamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



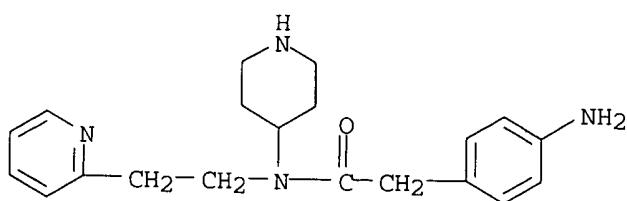
RN 344786-70-5 CAPLUS

CN Cyclohexanepropanamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



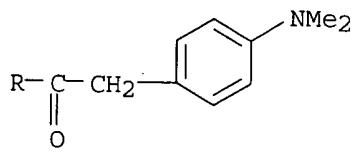
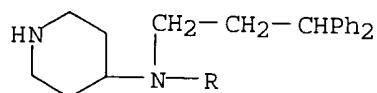
RN 344786-71-6 CAPLUS

CN Benzeneacetamide, 4-amino-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



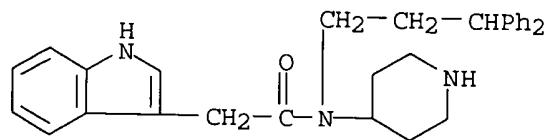
RN 344787-32-2 CAPLUS

CN Benzeneacetamide, 4-(dimethylamino)-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



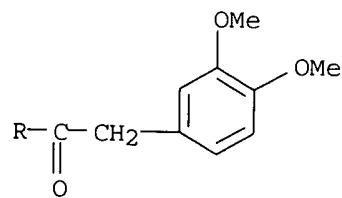
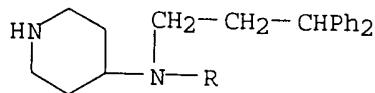
RN 344787-33-3 CAPLUS

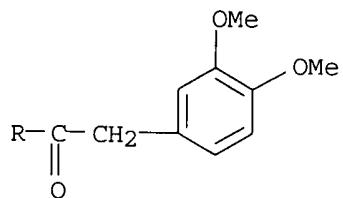
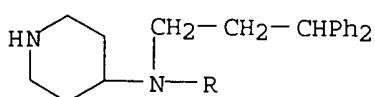
CN 1H-Indole-3-acetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344787-34-4 CAPLUS

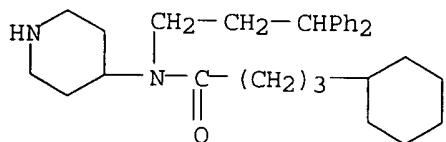
CN Benzeneacetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-3,4-dimethoxy- (9CI) (CA INDEX NAME)





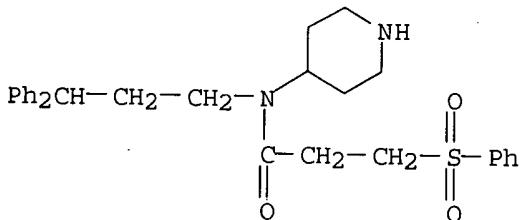
RN 344787-35-5 CAPLUS

CN Cyclohexanebutanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



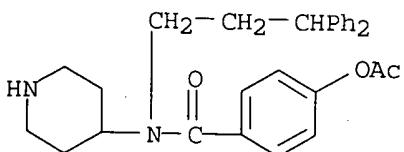
RN 344787-36-6 CAPLUS

CN Propanamide, N-(3,3-diphenylpropyl)-3-(phenylsulfonyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



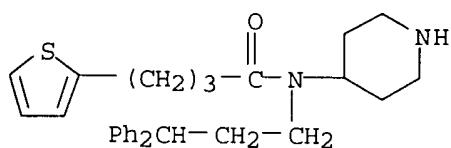
RN 344787-37-7 CAPLUS

CN Benzamide, 4-(acetyloxy)-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



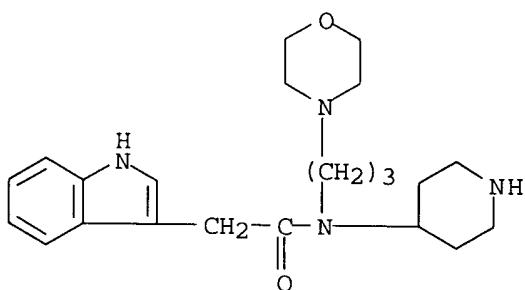
RN 344787-38-8 CAPLUS

CN 2-Thiophenebutanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



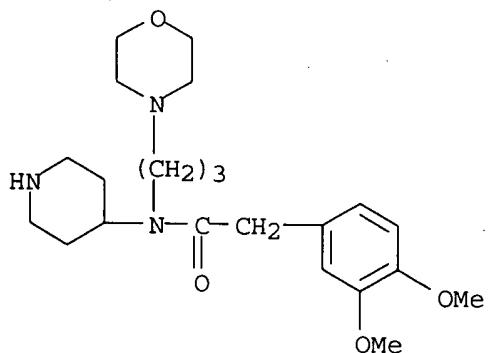
RN 344787-39-9 CAPLUS

CN 1H-Indole-3-acetamide, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



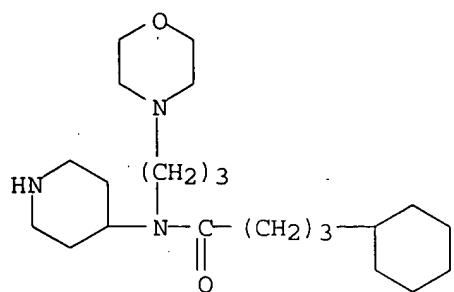
RN 344787-40-2 CAPLUS

CN Benzeneacetamide, 3,4-dimethoxy-N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



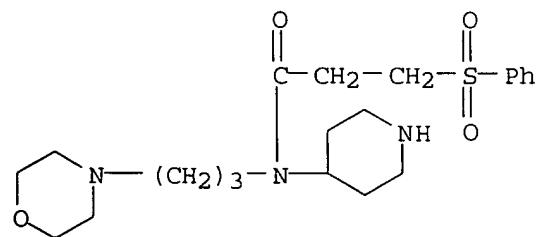
RN 344787-41-3 CAPLUS

CN Cyclohexanebutanamide, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



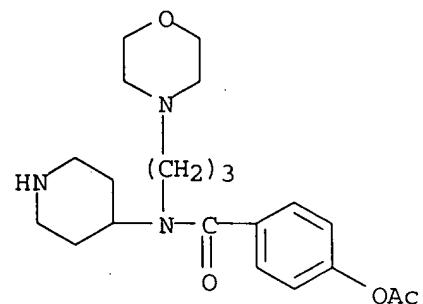
RN 344787-42-4 CAPLUS

CN Propanamide, N-[3-(4-morpholinyl)propyl]-3-(phenylsulfonyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



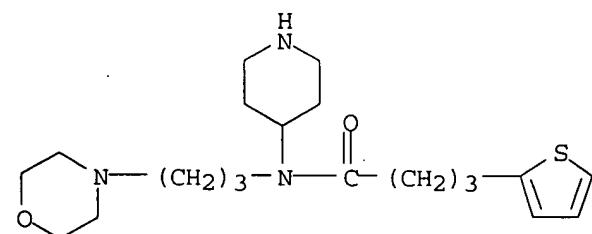
RN 344787-43-5 CAPLUS

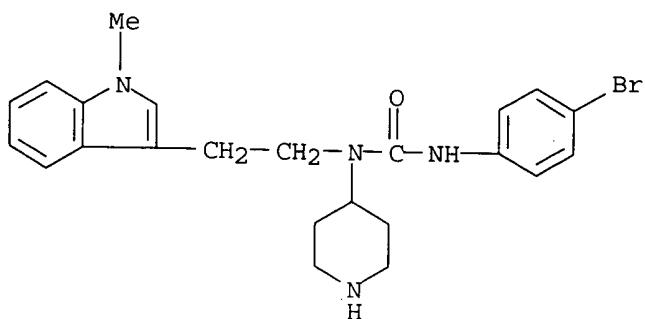
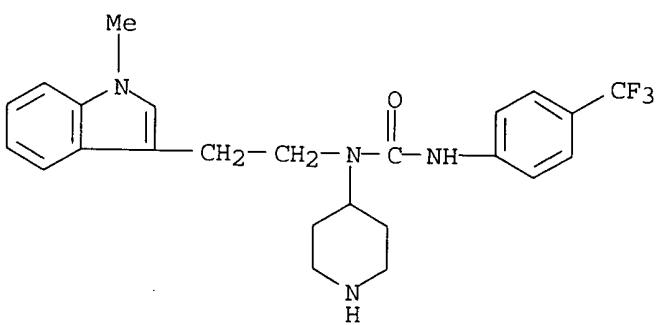
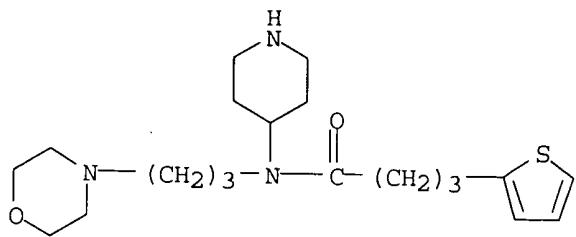
CN Benzamide, 4-(acetyloxy)-N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



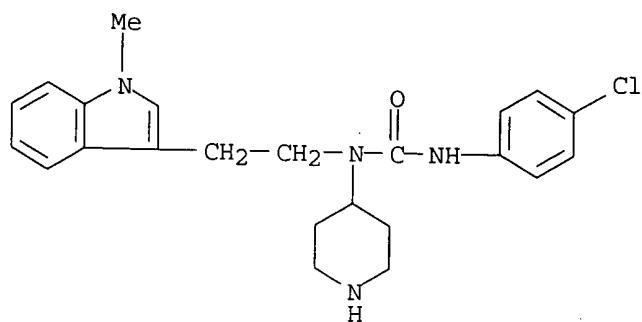
RN 344787-44-6 CAPLUS

CN 2-Thiophenebutanamide, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



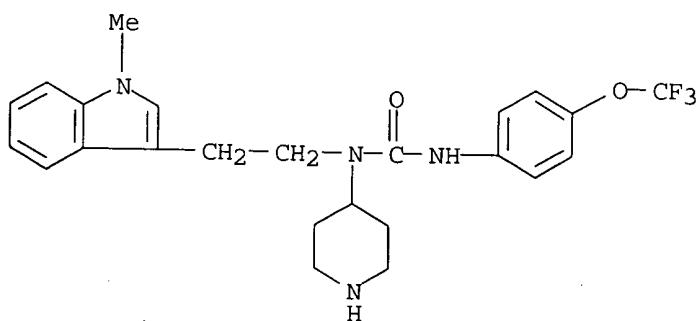


RN 344787-47-9 CAPLUS
 CN Urea, N'-(4-chlorophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



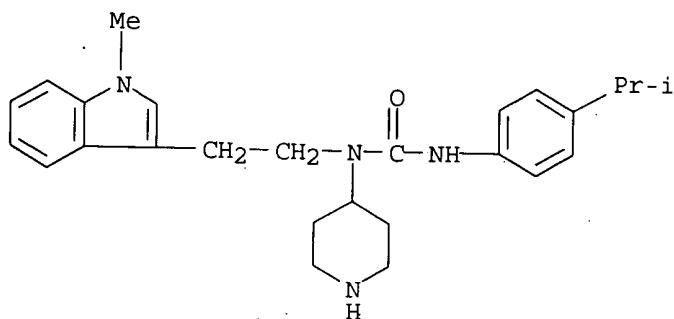
RN 344787-48-0 CAPLUS

CN Urea, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethoxy)phenyl)- (9CI) (CA INDEX NAME)



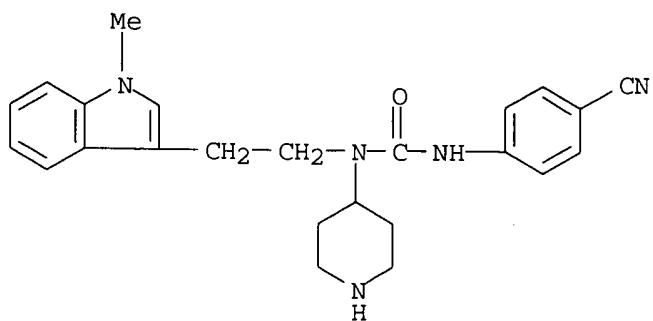
RN 344787-49-1 CAPLUS

CN Urea, N'-[4-(1-methylethyl)phenyl]-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



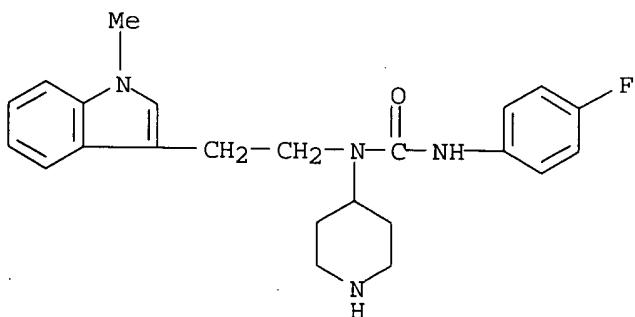
RN 344787-50-4 CAPLUS

CN Urea, N'-(4-cyanophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



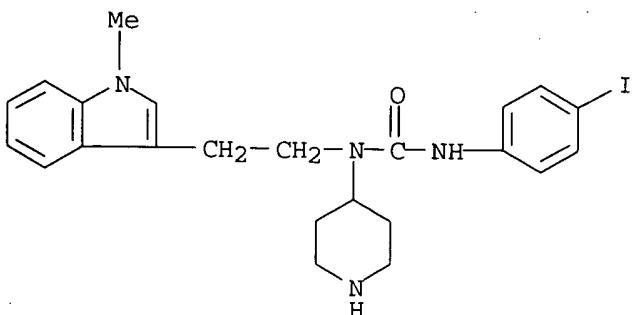
RN 344787-51-5 CAPLUS

CN Urea, N'-(4-fluorophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



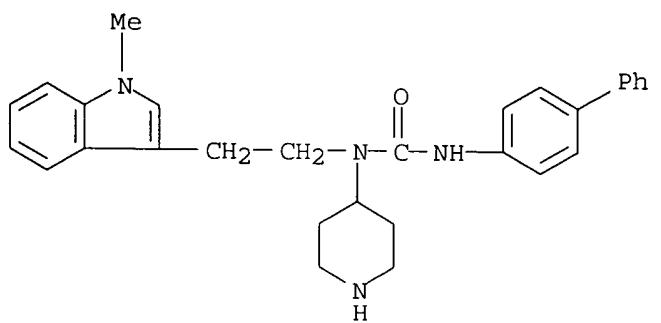
RN 344787-52-6 CAPLUS

CN Urea, N'-(4-iodophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



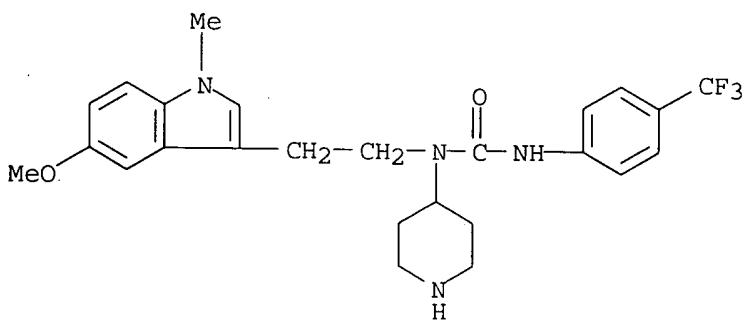
RN 344787-53-7 CAPLUS

CN Urea, N'-(1,1'-biphenyl)-4-yl-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



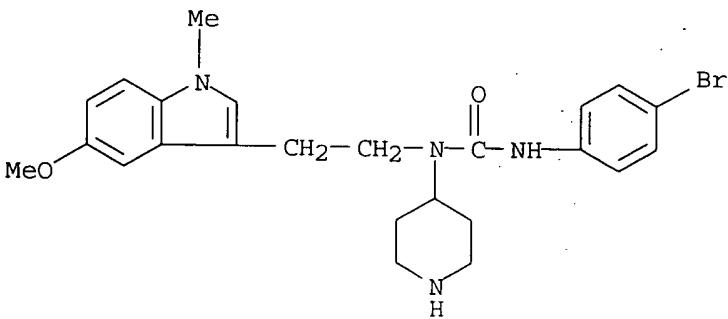
RN 344787-54-8 CAPLUS

CN Urea, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



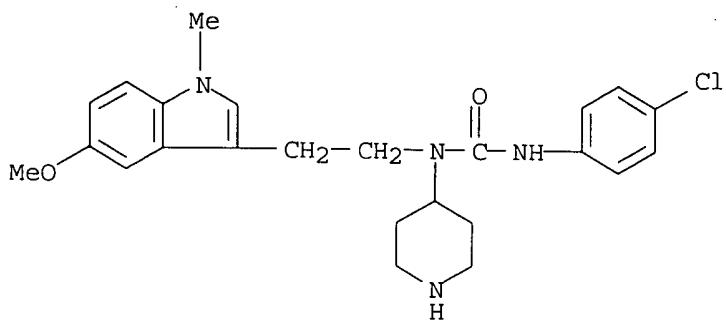
RN 344787-55-9 CAPLUS

CN Urea, N'-(4-bromophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



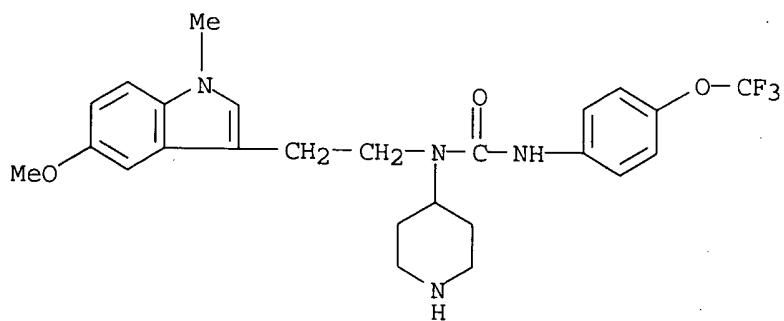
RN 344787-56-0 CAPLUS

CN Urea, N'-(4-chlorophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



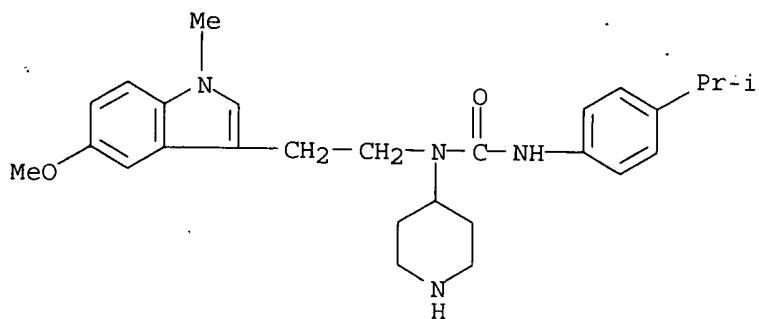
RN 344787-57-1 CAPLUS

CN Urea, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethoxy)phenyl)- (9CI) (CA INDEX NAME)



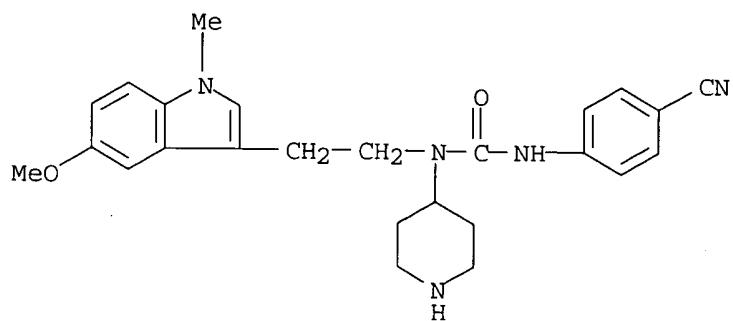
RN 344787-58-2 CAPLUS

CN Urea, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N'-[4-(1-methylethyl)phenyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



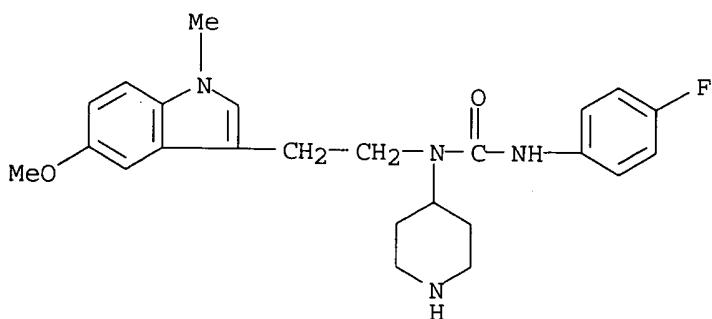
RN 344787-59-3 CAPLUS

CN Urea, N'--(4-cyanophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



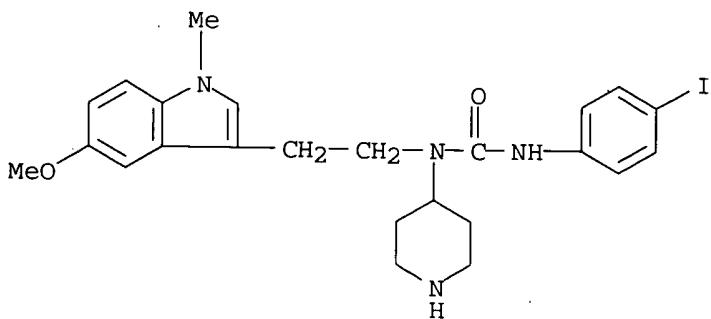
RN 344787-60-6 CAPLUS

CN Urea, N'-(4-fluorophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



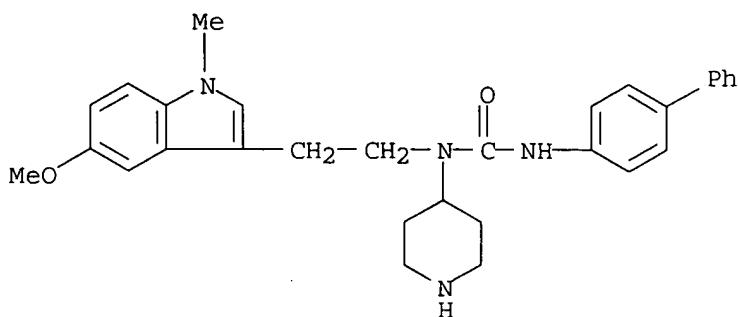
RN 344787-61-7 CAPLUS

CN Urea, N'-(4-iodophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



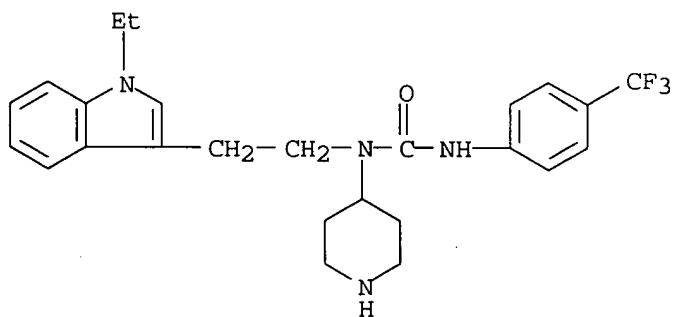
RN 344787-62-8 CAPLUS

CN Urea, N'-(1,1'-biphenyl)-4-yl-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



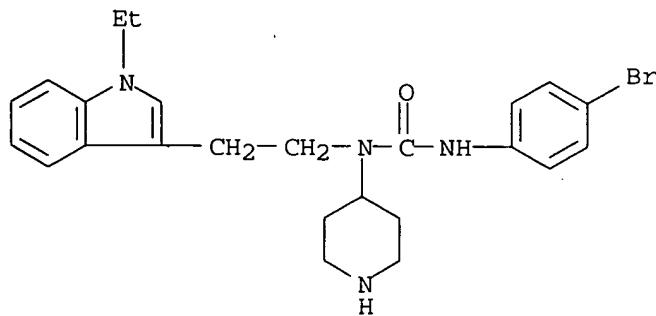
RN 344787-63-9 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



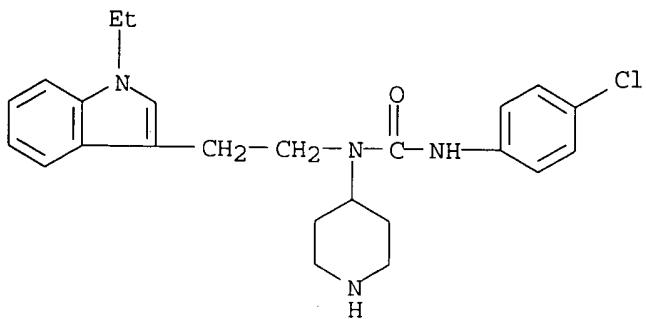
RN 344787-64-0 CAPLUS

CN Urea, N'-(4-bromophenyl)-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



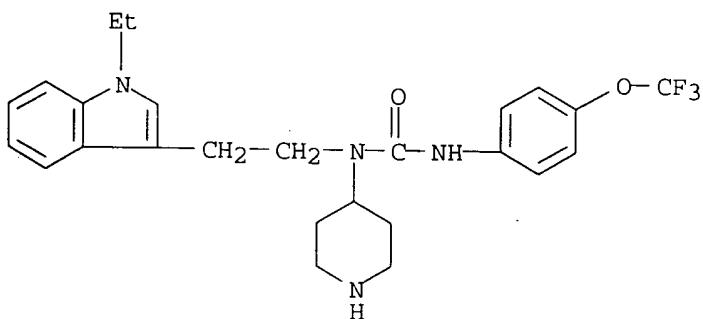
RN 344787-65-1 CAPLUS

CN Urea, N'-(4-chlorophenyl)-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



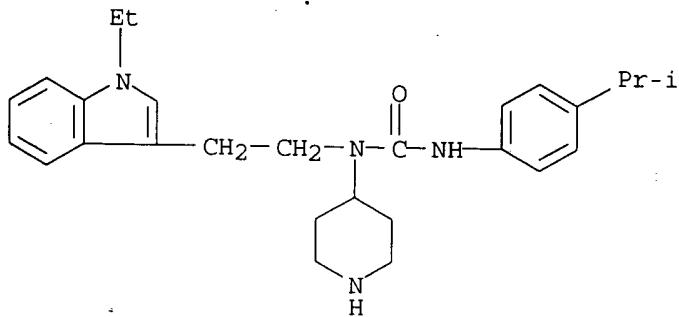
RN 344787-66-2 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethoxy)phenyl)-(9CI) (CA INDEX NAME)



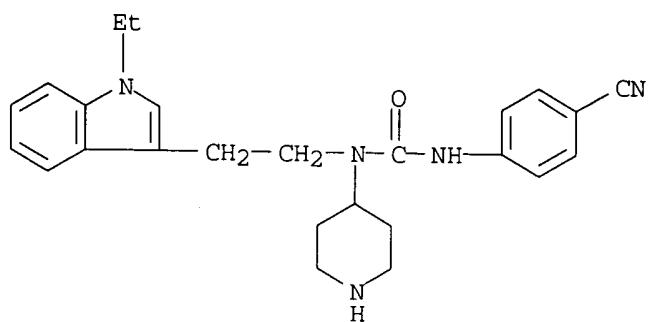
RN 344787-67-3 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N'-[4-(1-methylethyl)phenyl]-N-4-piperidinyl-(9CI) (CA INDEX NAME)



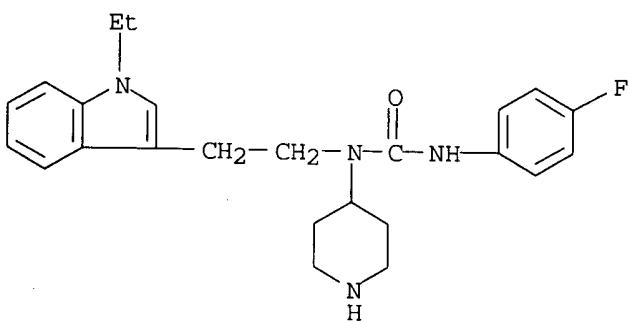
RN 344787-68-4 CAPLUS

CN Urea, N'-(4-cyanophenyl)-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-(9CI) (CA INDEX NAME)



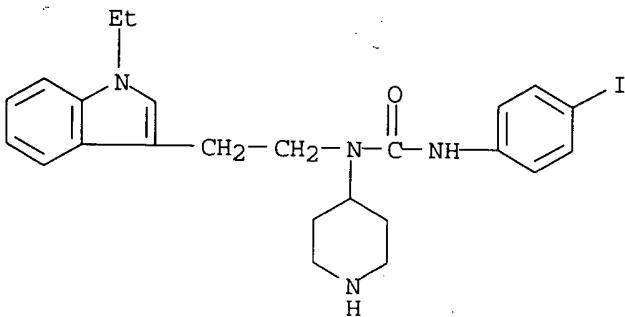
RN 344787-69-5 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N'-(4-fluorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



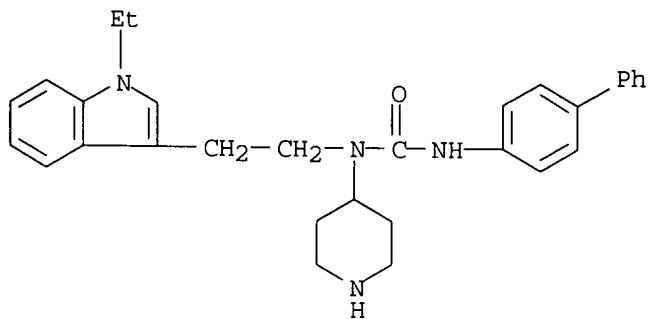
RN 344787-70-8 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N'-(4-iodophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

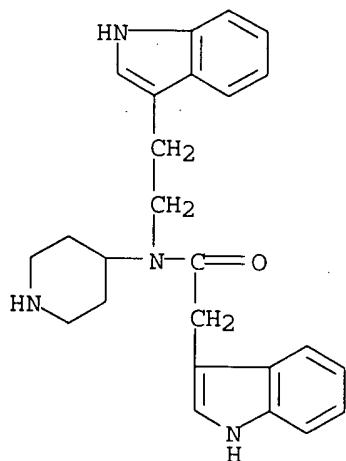


RN 344787-71-9 CAPLUS

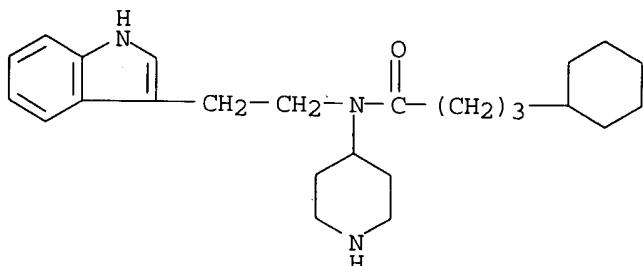
CN Urea, N'-[1,1'-biphenyl]-4-yl-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344787-93-5 CAPLUS

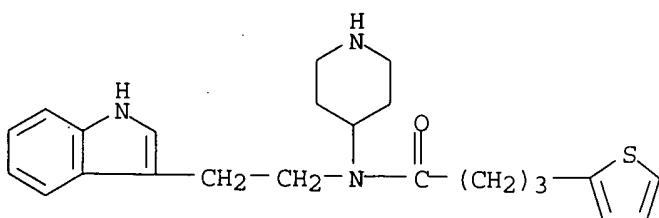
CN 1H-Indole-3-acetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

RN 344787-95-7 CAPLUS

CN Cyclohexanebutanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

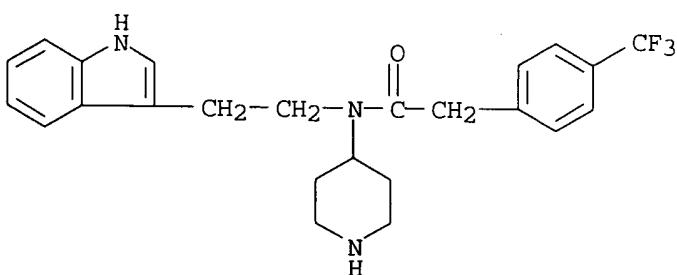
RN 344787-97-9 CAPLUS

CN 2-Thiophenebutanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



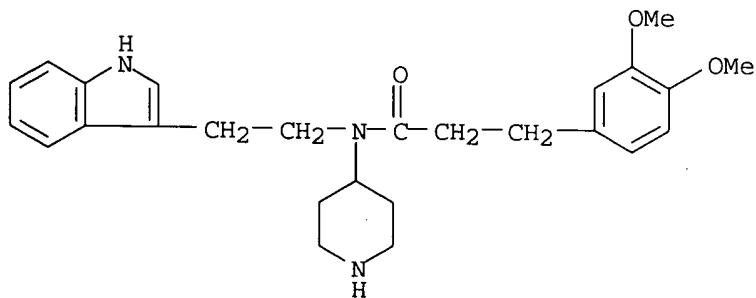
RN 344787-99-1 CAPLUS

CN Benzeneacetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



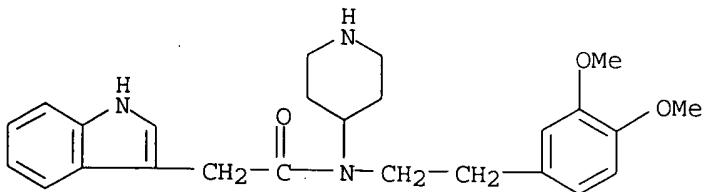
RN 344788-01-8 CAPLUS

CN Benzenepropanamide, N-[2-(1H-indol-3-yl)ethyl]-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

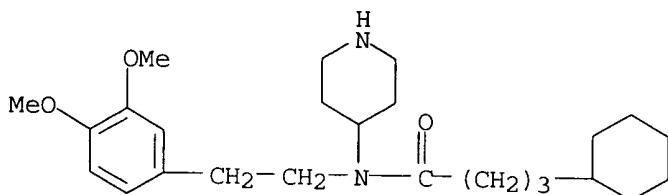


RN 344788-03-0 CAPLUS

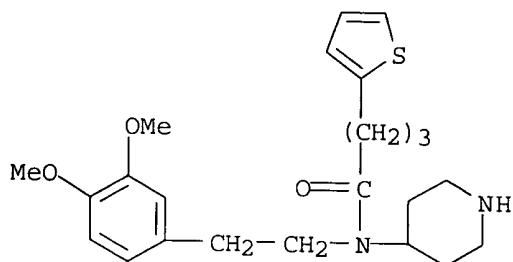
CN 1H-Indole-3-acetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



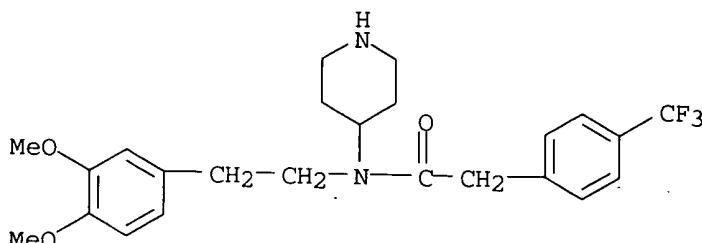
RN 344788-05-2 CAPLUS

CN Cyclohexanebutanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

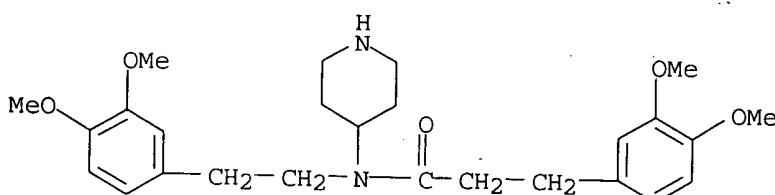
RN 344788-07-4 CAPLUS

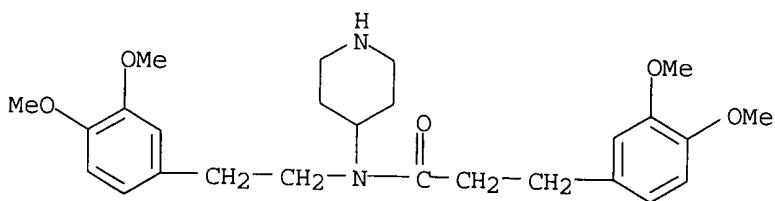
CN 2-Thiophenebutanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344788-09-6 CAPLUS

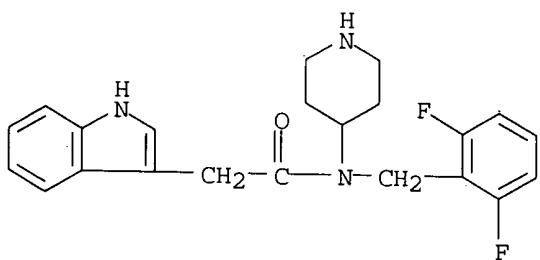
CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-4-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 344788-11-0 CAPLUS

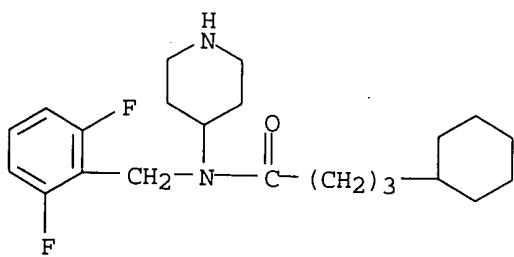
CN Benzenepropanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3,4-dimethoxy-N-4-
piperidinyl- (9CI) (CA INDEX NAME)



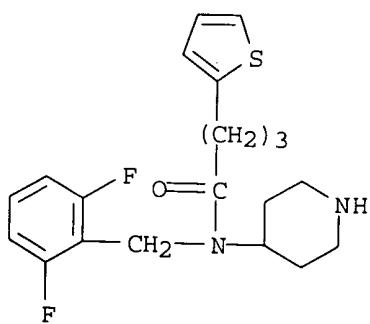
RN 344788-13-2 CAPLUS

CN 1H-Indole-3-acetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344788-15-4 CAPLUS

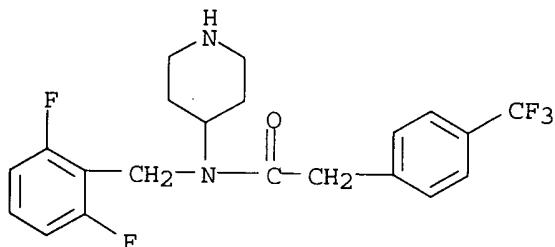
CN Cyclohexanebutanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344788-17-6 CAPLUS

CN 2-Thiophenebutanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

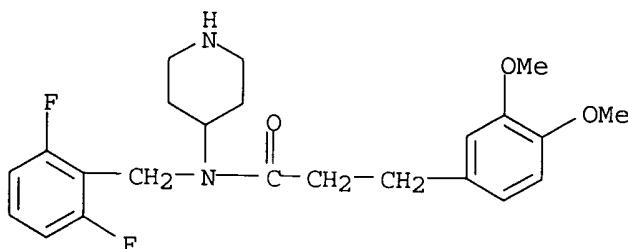
RN 344788-19-8 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



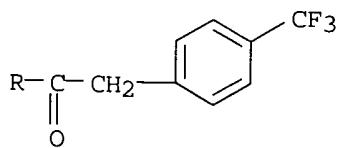
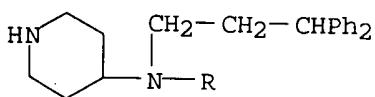
RN 344788-21-2 CAPLUS

CN Benzenepropanamide, N-[(2,6-difluorophenyl)methyl]-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



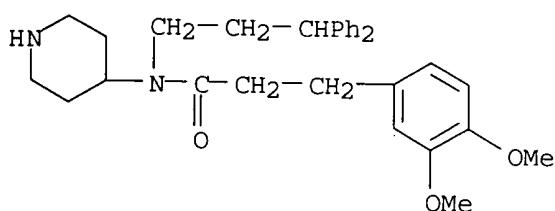
RN 344788-24-5 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



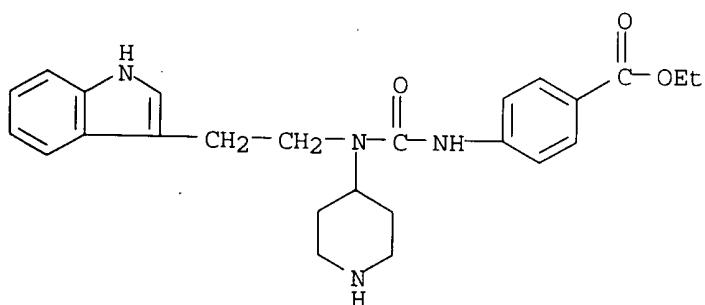
RN 344788-26-7 CAPLUS

CN Benzenepropanamide, N-(3,3-diphenylpropyl)-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



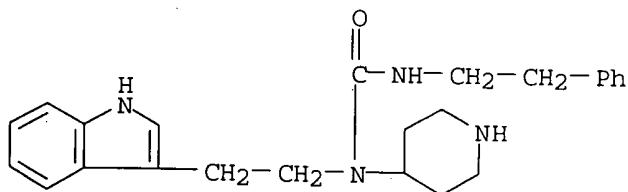
RN 344788-74-5 CAPLUS

CN Benzoic acid, 4-[[[2-(1H-indol-3-yl)ethyl]amino]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



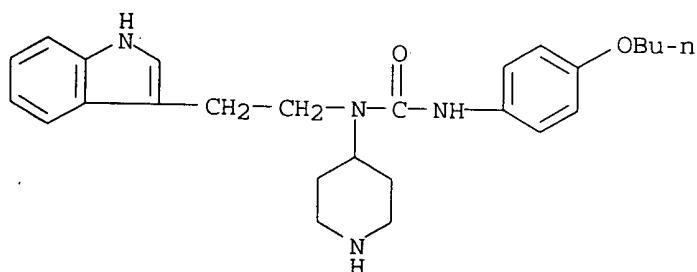
RN 344788-75-6 CAPLUS

CN Urea, N-[2-(1H-indol-3-yl)ethyl]-N'-(2-phenylethyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344788-76-7 CAPLUS

CN Urea, N'-[(4-butoxyphenyl)-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



AN 1987:120862 CAPLUS
 DN 106:120862
 TI Hindered piperidinyl derivatives of tetrahydrofurancarboxylic acid as stabilizers
 IN Helwig, Reinhard; Neumann, Peter; Trauth, Hubert; Aumueller, Alexander
 PA BASF A.-G., Fed. Rep. Ger.
 SO Ger. Offen., 12 pp.
 CODEN: GWXXBX

DT Patent
 LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------------------|------|----------|-----------------|----------|
| PI | DE 3522678 | A1 | 19870108 | DE 1985-3522678 | 19850625 |
| | US 4703072 | A | 19871027 | US 1986-874864 | 19860616 |
| | EP 207396 | A1 | 19870107 | DE 1985-3522678 | 19850625 |
| | EP 207396 | B1 | 19890419 | EP 1986-108428 | 19860620 |
| | R: CH, DE, FR, GB, IT, LI | | | | |
| | JP 62011770 | A2 | 19870120 | DE 1985-3522678 | 19850625 |
| | | | | JP 1986-145020 | 19860623 |
| | | | | DE 1985-3522678 | 19850625 |

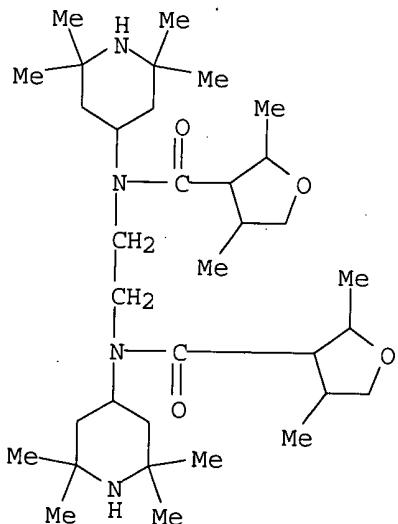
OS CASREACT 106:120862

IT 107187-20-2P

RL: PREP (Preparation)
 (prepn. of, as stabilizer for polymers)

RN 107187-20-2 CAPLUS

CN 3-Furancarboxamide, N,N'-1,2-ethanediylbis[tetrahydro-2,4-dimethyl-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)]

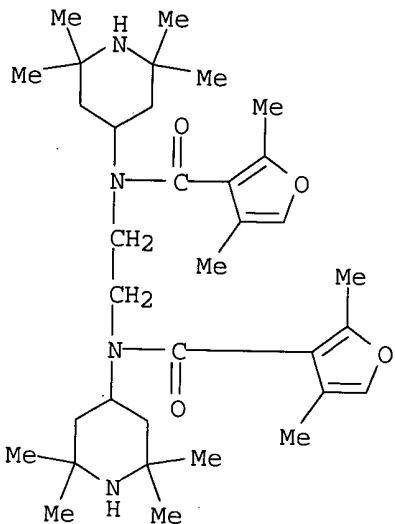


IT 107187-27-9P

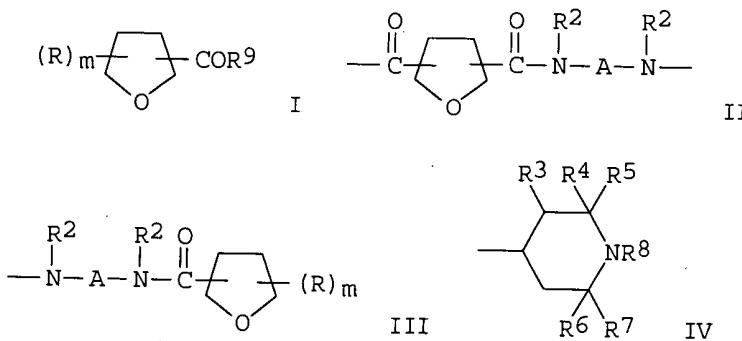
RL: PREP (Preparation)
 (prepn. of, as stabilizers for polymers)

RN 107187-27-9 CAPLUS

CN 3-Furancarboxamide, N,N'-1,2-ethanediylbis[2,4-dimethyl-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)]



GI



AB Title derivs. I and II polymers ($R = C1-4$ alkyl, cyclohexyl, Ph; $m = 0-3$; $n = 1$ or 2 ; $R9 = DR2, NR1R2$, or III, and, as a polymer end-group, Cl or OH at the CO group and H at the NR2 group; A = bridging group; $R1 = H, C2-6$ alkenyl, C1-12 alkyl or C5-7 cycloalkyl broken by 1 to ≈ 3 O; $R2 = IV$ ($R3 = H, Me; R4-7 = Me, Et; R8 = H, C1-8$ alkyl, C3-8 alkenyl, C2-4 hydroxyalkyl, aralkyl) and their salts are prep'd. and are useful at 0.01-5 wt.% as stabilizers for org. materials (e.g., polyolefins and lacquers). 2,5-Dimethylfuran-3-carboxylic acid 2,2,6,6-tetramethyl-4-piperidinyl ester (15 g) in 150 mL MeOH was reduced in the presence of 3 g Raney Ni at 150.degree./160 bar to const. pressure (.aprx.5 h), the catalyst was filtered off, and the mixt. concd. Gas chromatog. anal. showed 2 isomeric products (12:88 ratio), and distn. in vacuo gave 12 g colorless oil (V) b. 120-126/0.5 mbar. Polypropylene contg. 0.25 phr V extruded twice at 220.degree., pressed to 200-.mu.m sheets, and stored 14 days in the dark at 25.degree. showed no surface coating. Aging of 2 sheets for 1 yr gave CO nos. of 3.33 and 5.73 and clear plates, compared with 7.22 and 11.0 and haze for a control contg. 0.25 phr Chimassorb 944 instead of V.

L5 ANSWER 21 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1986:110770 CAPLUS
 DN 104:110770
 TI Compounds containing **piperidine** rings and their use in the stabilization of synthetic polymers
 IN Cantatore, Giuseppe; Borzatta, Valerio
 PA Ciba-Geigy S.p.A., Italy
 SO Eur. Pat. Appl., 28 pp.
 CODEN: EPXXDW

DT Patent

LA German

FAN. CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-----------------------|------|----------|-----------------|----------|
| PI | EP 153907 | A2 | 19850904 | EP 1985-810074 | 19850222 |
| | EP 153907 | A3 | 19870513 | | |
| | EP 153907 | B1 | 19921111 | | |
| | R: BE, DE, FR, GB, IT | | | | |
| | CA 1236098 | A1 | 19880503 | IT 1984-19830 | 19840228 |
| | | | | CA 1985-475147 | 19850226 |
| | US 4618634 | A | 19861021 | IT 1984-19830 | 19840228 |
| | | | | US 1985-706301 | 19850227 |
| | JP 60202860 | A2 | 19851014 | IT 1984-19830 | 19840228 |
| | JP 05082384 | B4 | 19931118 | JP 1985-40274 | 19850228 |
| | | | | IT 1984-19830 | 19840228 |

IT 100217-57-0P 100217-58-1P 100217-59-2P

100217-60-5P

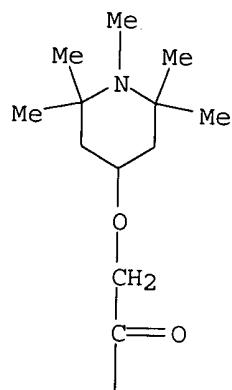
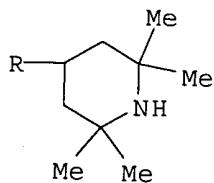
RL: PREP (Preparation)

(prepn. of, as stabilizer for polyolefins)

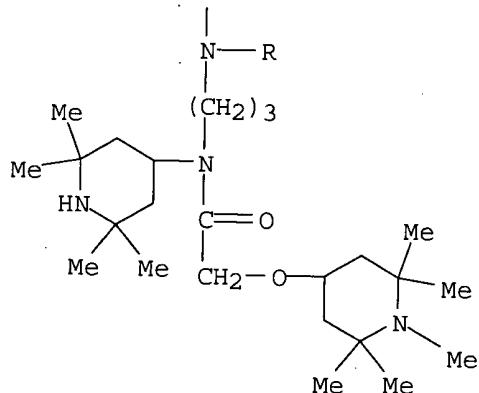
RN 100217-57-0 CAPLUS

CN Acetamide, N,N'-1,3-propanediylbis[2-[(1,2,2,6,6-pentamethyl-4-piperidinyl)oxy]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

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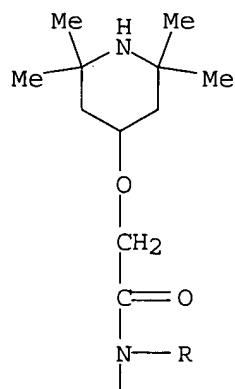
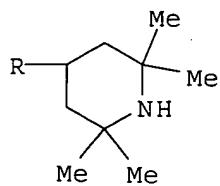
PAGE 2-A



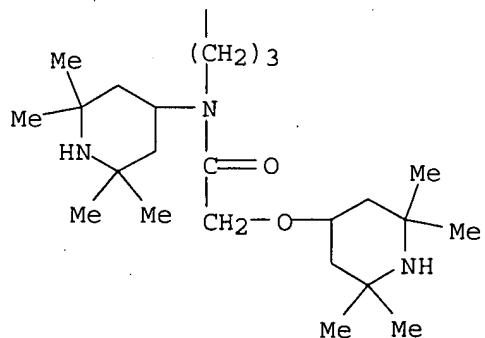
RN 100217-58-1 CAPLUS

CN Acetamide, N,N'-1,3-propanediylbis[N-(2,2,6,6-tetramethyl-4-piperidinyl)-2-[2,2,6,6-tetramethyl-4-piperidinyl]oxy]- (9CI) (CA INDEX NAME)

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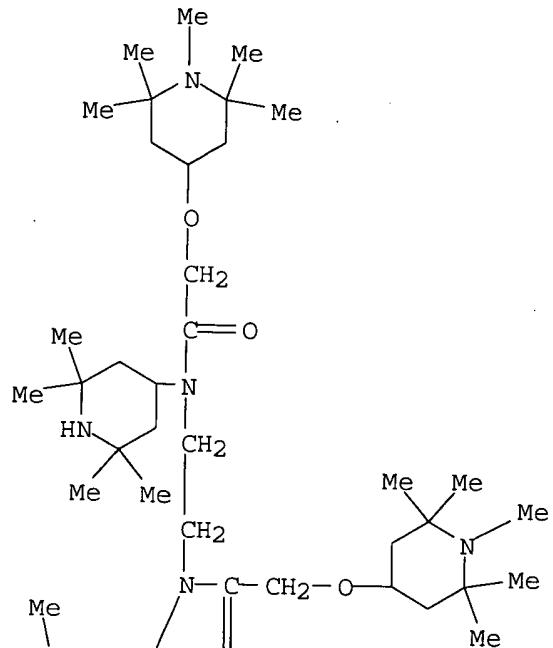


PAGE 2-A

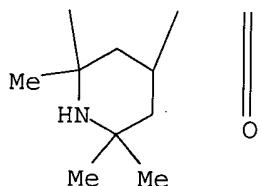


RN 100217-59-2 CAPLUS
 CN Acetamide, N,N'-1,2-ethanediylbis[2-[(1,2,2,6,6-pentamethyl-4-piperidinyl)oxy]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

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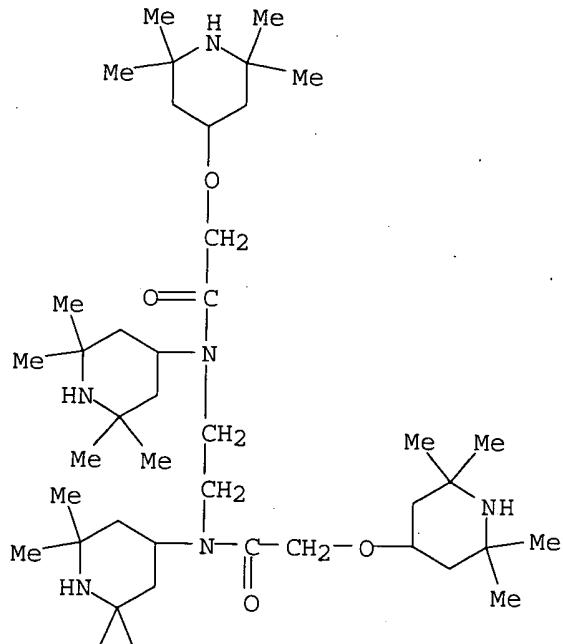
PAGE 2-A



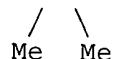
RN 100217-60-5 CAPLUS

CN Acetamide, N,N'-1,2-ethanediylbis[N-(2,2,6,6-tetramethyl-4-piperidinyl)-2-[2,2,6,6-tetramethyl-4-piperidinyl]oxy]- (9CI). (CA INDEX NAME)

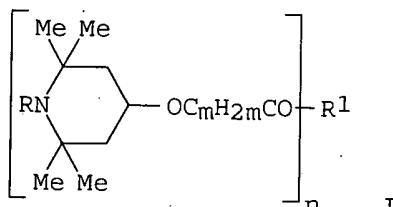
PAGE 1-A



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GI



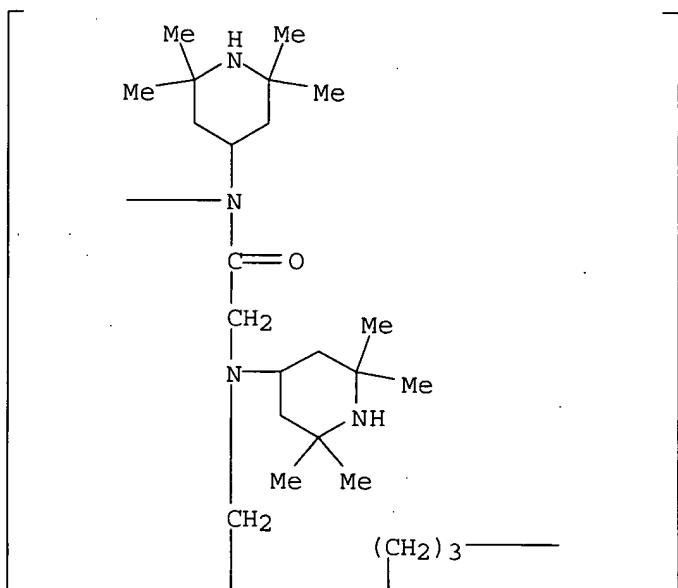
AB Synthetic polymers can be stabilized by the addn. of **piperidine**-contg. compds. (I), where R is H, O, CH₂CN, C₁-12 alkyl, C₃-12 alkenyl or alkynyl, or C₁-12 acyl, m is 1-12, n is 1-3, and R₁ is an amine residue. For example, a stabilizer was prep'd. by mixing 38.9 g N,N'-bis(2-chloroacetyl)-N,N'-bis(2,2,6,6-tetramethylpiperidin-4-yl)-1,6-diaminohexane in 100 mL anhyd. xylene with the Na salt of 26.38 g 1,2,2,6,6-pentamethylpiperidin-4-ol in 120 mL anhyd. xylene. A mixt. of the stabilizer 2, pentaerythritol tetrakis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] (antioxidant) 1, polypropylene (melt index 2.4) 1000, and Co stearate 1 g was extruded to form 50 .mu. times. 2.5 mm bands, which required 2600 h in a weatherometer (63.degree.) for the

tensile strength of the sample to be reduced 50%.

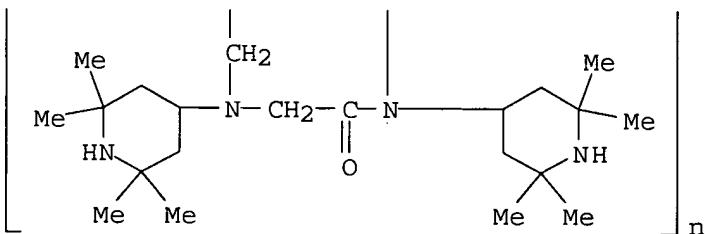
L5 ANSWER 22 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1985:167359 CAPLUS
 DN 102:167359
 TI Polyaminamides containing polyalkylpiperidinyl residues
 IN Cantatore, Giuseppe
 PA Ciba-Geigy S.p.A., Italy
 SO Eur. Pat. Appl., 26 pp.
 CODEN: EPXXDW
 DT Patent
 LA German
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | EP 128861 | A2 | 19841219 | EP 1984-810211 | 19840503 |
| | EP 128861 | A3 | 19870902 | | |
| | EP 128861 | B1 | 19901212 | | |
| | R: BE, DE, FR, GB, IT, NL | | | | |
| | | | | IT 1983-21005 | 19830509 |
| | CA 1236097 | A1 | 19880503 | CA 1984-453685 | 19840507 |
| | | | | IT 1983-21005 | 19830509 |
| | US 4578454 | A | 19860325 | US 1984-608081 | 19840508 |
| | | | | IT 1983-21005 | 19830509 |
| | JP 59210069 | A2 | 19841128 | JP 1984-92727 | 19840509 |
| | JP 06029242 | B4 | 19940420 | | |
| | | | | IT 1983-21005 | 19830509 |
| IT | 96091-86-0P 96091-87-1P | | | | |
| | RL: IMF (Industrial manufacture); PREP (Preparation) | | | | |
| | (manuf. of, for light stabilizers for polymers) | | | | |
| RN | 96091-86-0 CAPLUS | | | | |
| CN | Poly[[(2,2,6,6-tetramethyl-4-piperidinyl)imino](2-oxo-1,2-ethanediyl)[(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,2-ethanediyl][(2,2,6,6-tetramethyl-4-piperidinyl)imino](1-oxo-1,2-ethanediyl)[(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3-propanediyl] (9CI) (CA INDEX NAME) | | | | |

PAGE 1-A

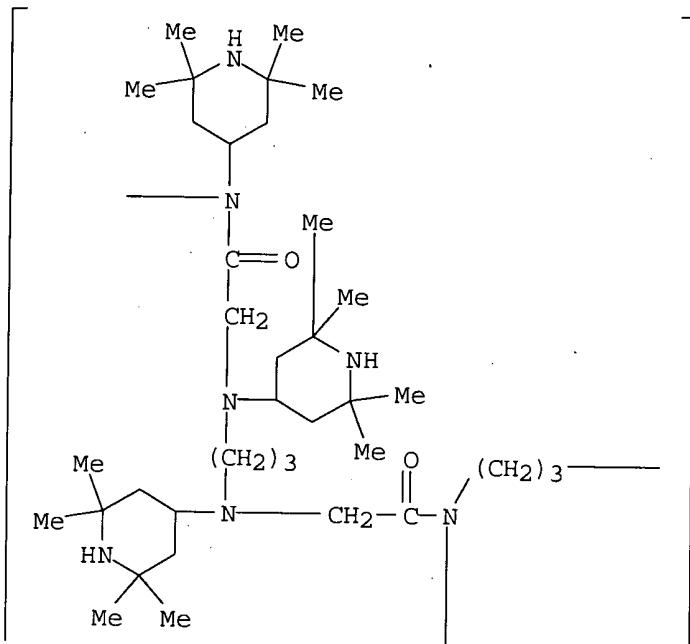


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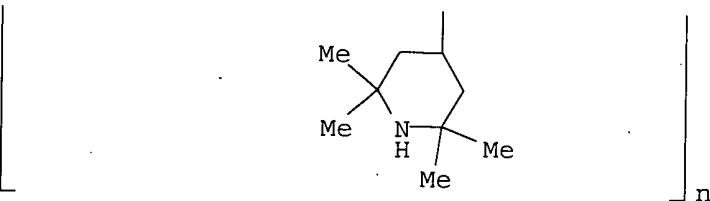


RN 96091-87-1 CAPLUS
 CN Poly[[(2,2,6,6-tetramethyl-4-piperidinyl)imino](1-oxo-1,2-ethanediyl)[(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3-propanediyl[(2,2,6,6-tetramethyl-4-piperidinyl)imino](2-oxo-1,2-ethanediyl)[(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,3-propanediyl] (9CI) (CA INDEX NAME)

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AB Aminopolyamides bearing N-4-piperidinyl groups are manuf. for use as light stabilizers for polymers. Thus, adding 118.6 g ClCH₂COCl [79-04-9] in 100 mL CH₂Cl₂ slowly to 197 g N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)-1,6-hexanediamine [61260-55-7] in 1 L CH₂Cl₂ stirred at -10.degree. and stirring 1 h at -10.degree. to 0.degree. gave N,N'-hexamethylenebis[N-(2,2,6,6-tetramethyl-4-piperidinyl)chloroacetamide] (I) [96106-51-3]. Refluxing I 54.7, N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)ethylenediamine 33.8, and NaOH 8.4 g in 100 mL xylene with distn. of H₂O for 12 h gave a polymer (II) [96121-62-9] with mol. wt. 4400. Polypropylene [9003-07-0] contg. II 0.2, pentaerythritol tetrakis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] 0.1, and Ca stearate 0.1 phr in a Weather-O-Meter at 63.degree. required 2350 h for a 50% loss of tensile strength, compared with 230 without II.

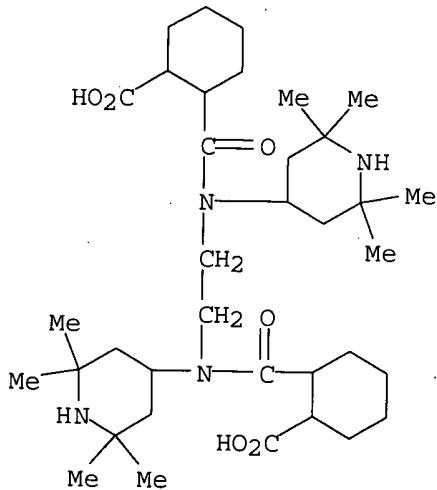
L5 ANSWER 23 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1982:123934 CAPLUS

DN 96:123934

TI Amide derivatives of polyalkyl **piperidines** useful as stabilizers

against light in organic materials
 IN Karrer, Friedrich; Moser, Paul
 PA Ciba-Geigy A.-G., Switz.
 SO Fr. Demande, 59 pp.
 CODEN: FRXXBL
 DT Patent
 LA French
 FAN. CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | FR 2479216 | A1 | 19811002 | FR 1981-6159 | 19810327 |
| | FR 2479216 | B1 | 19840720 | | |
| | US 4348524 | A | 19820907 | CH 1980-2493 | 19800328 |
| | GB 2074564 | A | 19811104 | US 1981-244551 | 19810317 |
| | GB 2074564 | B2 | 19840627 | CH 1980-2493 | 19800328 |
| | DE 3111739 | A1 | 19820107 | GB 1981-9166 | 19810324 |
| | DE 3111739 | C2 | 19910606 | CH 1980-2493 | 19800328 |
| | CA 1160220 | A1 | 19840110 | DE 1981-3111739 | 19810325 |
| | JP 56152462 | A2 | 19811126 | CH 1980-2493 | 19800328 |
| | | | | CA 1981-373961 | 19810326 |
| | | | | CH 1980-2493 | 19800328 |
| | | | | JP 1981-46125 | 19810328 |
| | | | | CH 1980-2493 | 19800328 |
| IT | 80918-41-8 | | | | |
| | RL: USES (Uses) | | | | |
| | (light stabilizers, for org. materials) | | | | |
| RN | 80918-41-8 CAPLUS | | | | |
| CN | Cyclohexanecarboxylic acid, 2,2'-(1,2-ethanediylbis[[2,2,6,6-tetramethyl-4-piperidinyl]imino]carbonyl]bis- (9CI) (CA INDEX NAME) | | | | |



AB Amides of 2,2,6,6-tetraalkyl-4-aminopiperidines or their oligomeric derivs. are light stabilizers for org. materials, esp. polymers. Thus, adding 43 g dodecylsuccinic anhydride [2561-85-5] over 1 h to a refluxing soln. of 31.6 g 4,4'-(hexamethylenedimino)bis(2,2,6,6-tetramethylpiperidine) [61260-55-7] in 300 mL PhMe and refluxing 5 h gave N,N'-hexamethylenebis[2-dodecyl-N-(2,2,6,6-tetramethyl-4-

piperidyl)succinamic acid (I) [80918-21-4]. Adding 0.25% I to polypropylene [9003-07-0] contg. 0.2% octadecyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate extended its time of resistance to Xenotest exposure by 3.6-fold.

L5 ANSWER 24 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1981:588148 CAPLUS

DN 95:188148

TI **Piperidine** derivatives as stabilizers for synthetic polymers

IN Cantatore, Giuseppe

PA Chimosa Chimica Organica S.p.A., Italy

SO Eur. Pat. Appl., 37 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-----------------------|------|----------|-----------------|----------|
| PI | EP 31304 | A1 | 19810701 | EP 1980-810396 | 19801215 |
| | EP 31304 | B1 | 19840613 | | |
| | R: CH, DE, FR, GB, IT | | | IT 1979-28324 | 19791221 |
| | US 4369321 | A | 19830118 | US 1980-215925 | 19801212 |
| | | | | IT 1979-28324 | 19791221 |
| | JP 56095169 | A2 | 19810801 | JP 1980-180320 | 19801219 |
| | JP 02055424 | B4 | 19901127 | | |
| | CA 1152065 | A1 | 19830816 | IT 1979-28324 | 19791221 |
| | | | | CA 1980-367159 | 19801219 |
| | US 4501837 | A | 19850226 | IT 1979-28324 | 19791221 |
| | | | | US 1982-413439 | 19820831 |
| | US 4525503 | A | 19850625 | IT 1979-28324 | 19791221 |
| | | | | US 1980-215925 | 19801212 |
| | | | | US 1982-415919 | 19820908 |
| | | | | IT 1979-28324 | 19791221 |
| | | | | US 1980-215925 | 19801212 |

IT 79316-98-6P 79317-03-6P 79317-05-8P

79317-11-6P 79317-13-8P

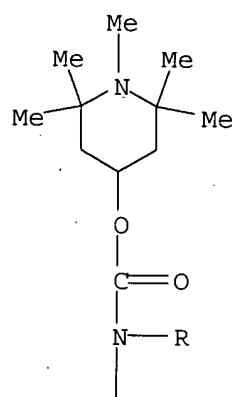
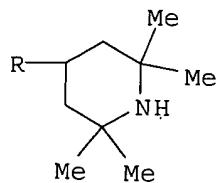
RL: PREP (Preparation)

(prepn. and stabilization of polymers by)

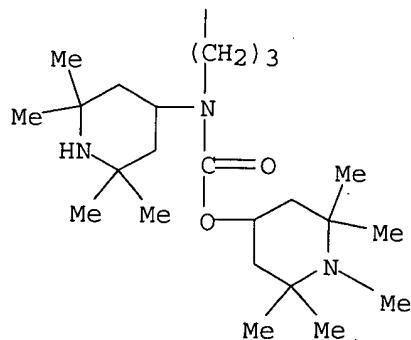
RN 79316-98-6 CAPLUS

CN Carbamic acid, 1,3-propanediylbis[(2,2,6,6-tetramethyl-4-piperidinyl)-, bis(1,2,2,6,6-pentamethyl-4-piperidinyl) ester (9CI) (CA INDEX NAME)

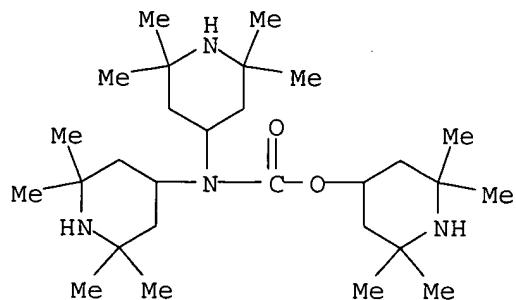
PAGE 1-A



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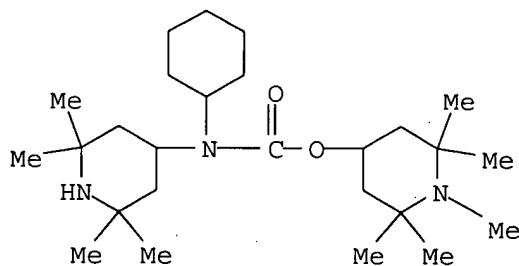


RN 79317-03-6 CAPLUS
CN Carbamic acid, bis(2,2,6,6-tetramethyl-4-piperidinyl)-,
2,2,6,6-tetramethyl-4-piperidinyl ester (9CI). (CA INDEX NAME)



RN 79317-05-8 CAPLUS

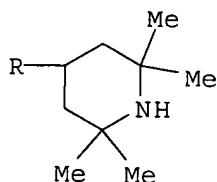
CN Carbamic acid, cyclohexyl(2,2,6,6-tetramethyl-4-piperidinyl)-, 1,2,2,6,6-pentamethyl-4-piperidinyl ester (9CI) (CA INDEX NAME)



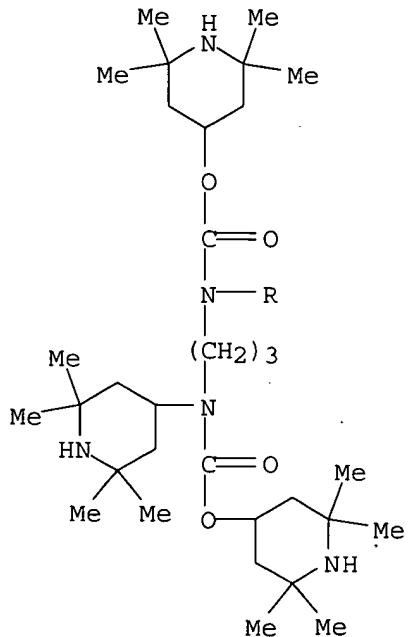
RN 79317-11-6 CAPLUS

CN Carbamic acid, 1,3-propanediylbis[(2,2,6,6-tetramethyl-4-piperidinyl)-, bis(2,2,6,6-tetramethyl-4-piperidinyl) ester (9CI) (CA INDEX NAME)

PAGE 1-A

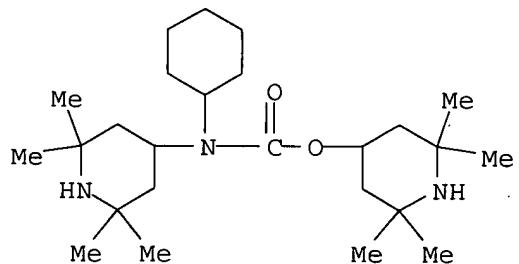


PAGE 2-A

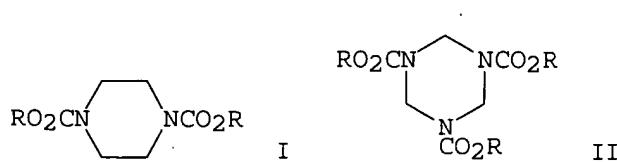


RN 79317-13-8 CAPLUS

CN Carbamic acid, cyclohexyl(2,2,6,6-tetramethyl-4-piperidinyl)-, 2,2,6,6-tetramethyl-4-piperidinyl ester (9CI) (CA INDEX NAME)



GI



AB Fifteen compds. $\text{RO}_2\text{CN}R_1\text{R}_2$, $(\text{RO}_2\text{CN}R_1\text{CH}_2)_2\text{CH}_2$, $[\text{RO}_2\text{CN}R_1(\text{CH}_2)_3]_2$, $(\text{RO}_2\text{CN}R_2\text{CH}_2)_2$, $(\text{RO}_2\text{CN}R_2\text{CH}_2\text{CH}_2)_2\text{NCO}_2\text{R}$, and $\text{RO}_2\text{CN}R_1(\text{CH}_2\text{CH}_2\text{NR}_1)_3\text{CO}_2\text{R}$, 2 compds. I, and 2 compds. II in which R and R₁ are the same or different and are 2,2,6,6-tetramethyl-4-piperidyl, 1,2,2,6,6-pentamethyl-4-piperidyl, 1-acetyl-2,2,6,6-tetramethyl-4-piperidyl, or piperidino and R₂

is R, R₁, H, Bu, C₈H₁₇, or cyclohexyl are prep'd. for use as light and heat stabilizers in polymers such as polyolefins. Thus, 2,2,6,6-tetramethyl-4-piperidyl N-butyl-N-(2,2,6,6-tetramethyl-4-piperidyl)carbamate (III) [79317-15-0] was prep'd. from N-butyl-N-(ethoxycarbonyl)-2,2,6,6-tetramethyl-4-piperidinamine [79316-96-4] and 2,2,6,6-tetramethyl-4-piperidinol [2403-88-5]. Polypropylene [9003-07-0] contg. 0.2% III and 0.1% phenolic antioxidant lost 50% of its strength after 2320 h of accelerated weathering in UV light at 63.degree., compared with 300 h with 2-hydroxy-4-octyloxybenzophenone instead of III.

L5 ANSWER 25 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1980:532380 CAPLUS

DN 93:132380

TI N-Aryl-N-(4-piperidinyl)arylacetamides

IN Hermans, Hubert K. F.; Sanczuk, Stefan

PA Janssen Pharmaceutica N. V., Belg.

SO U.S., 24 pp. Division of U. S. 4,126,689.
CODEN: USXXAM

DT Patent

LA English

FAN.CNT 3

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PATENT FAMILY INFORMATION:

FAN 1977:453094

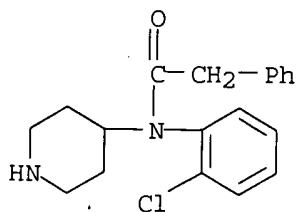
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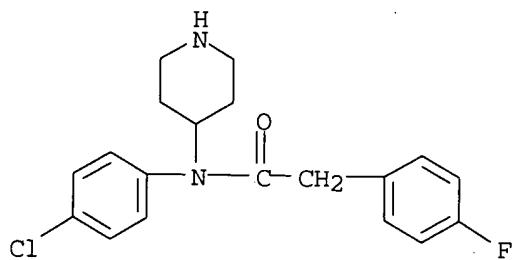
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| | (prep. and antiarrhythmic activity of) | | | |
| RN | 63258-70-8 CAPLUS | | | |
| CN | Benzeneacetamide, N-(2-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX | | | |

NAME)



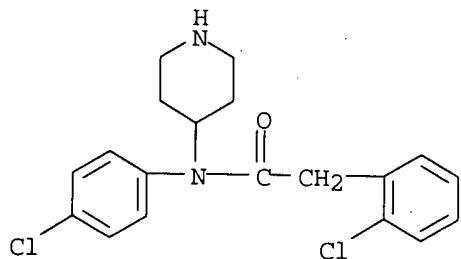
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CN Benzeneacetamide, N-(4-chlorophenyl)-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



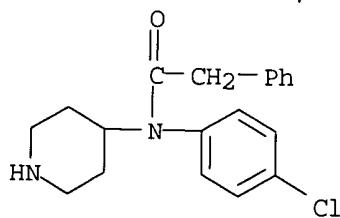
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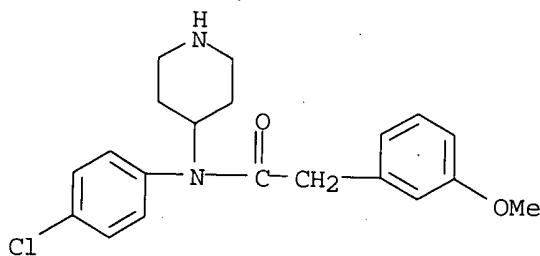
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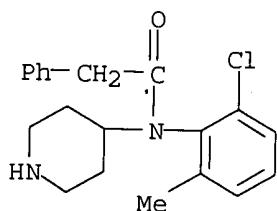


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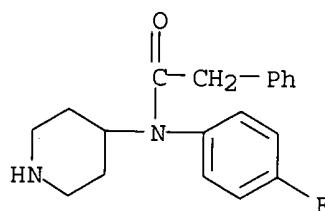
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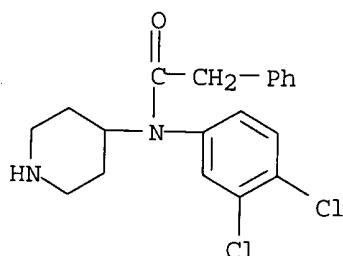


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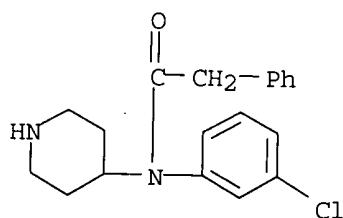
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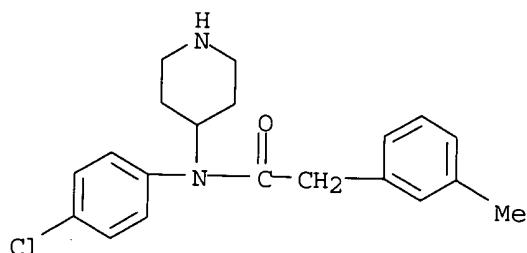
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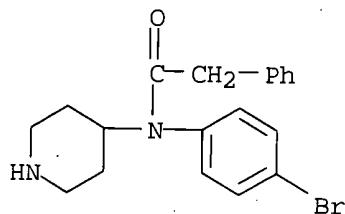
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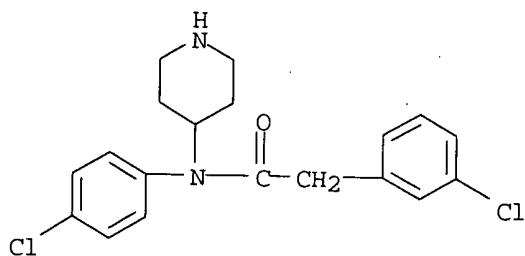
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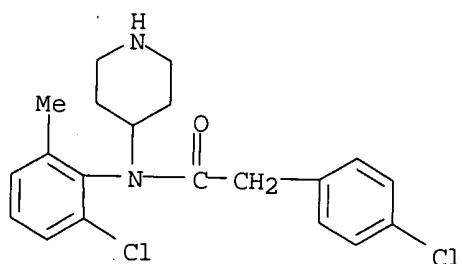
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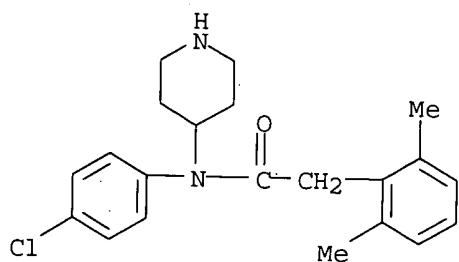
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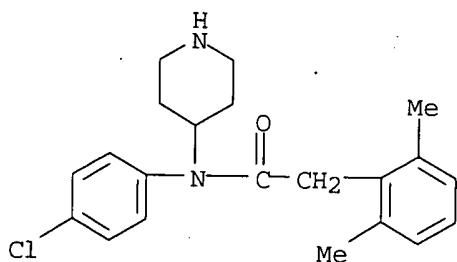
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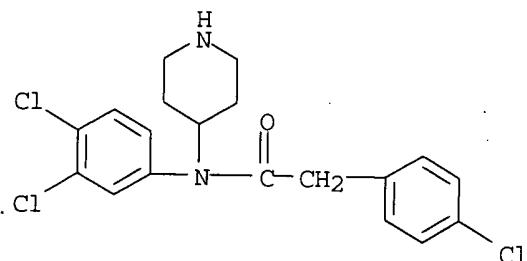
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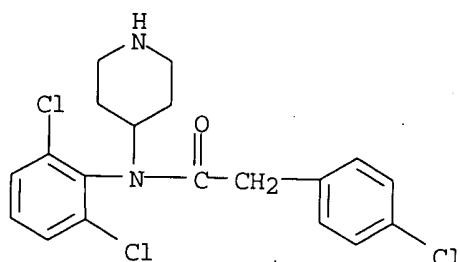




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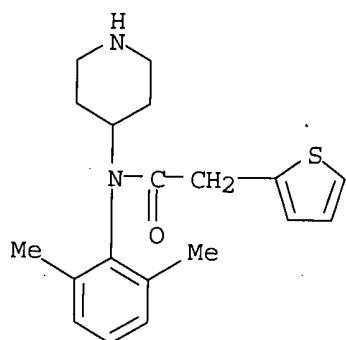
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(CA INDEX NAME)

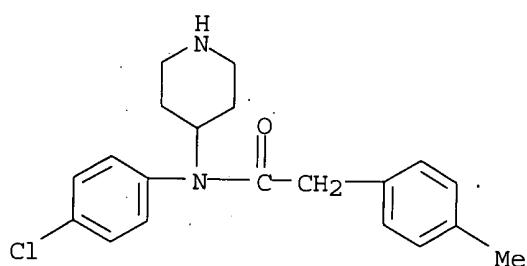
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INDEX NAME)



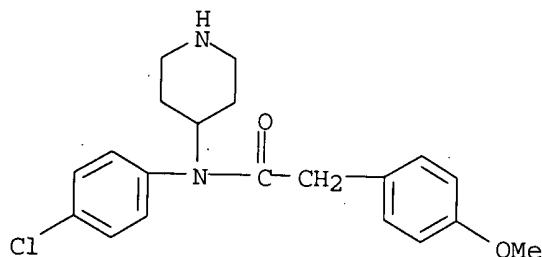
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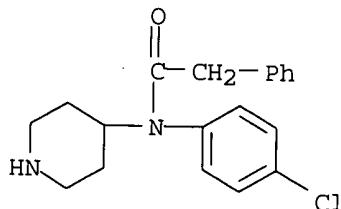
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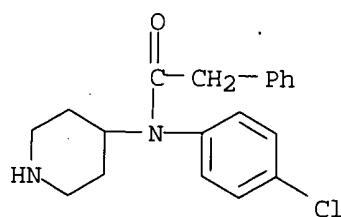
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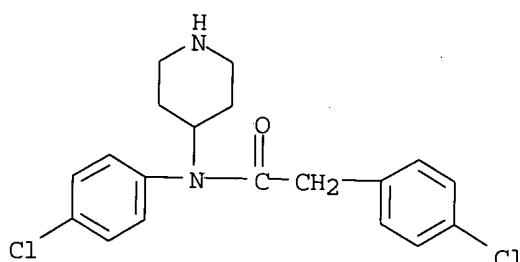
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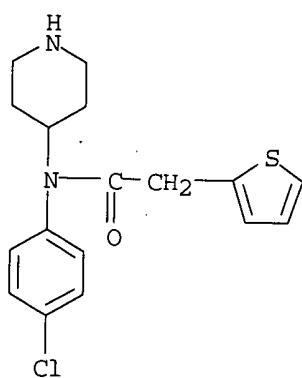
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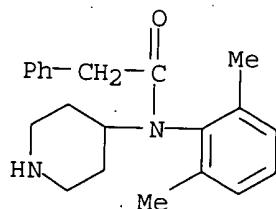
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RN 74555-86-5 CAPLUS

CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

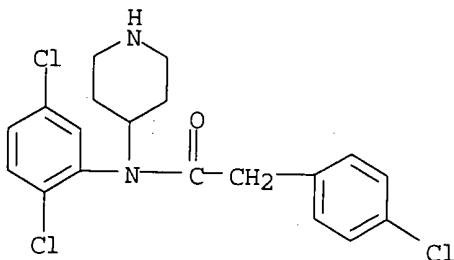


IT 63258-83-3P 63258-85-5P 63258-88-8P
 63258-89-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

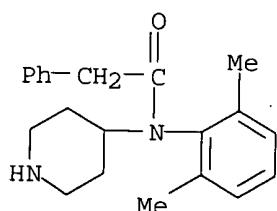
RN 63258-83-3 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(2,5-dichlorophenyl)-N-4-piperidinyl- (9CI)
 (CA INDEX NAME)



RN 63258-85-5 CAPLUS

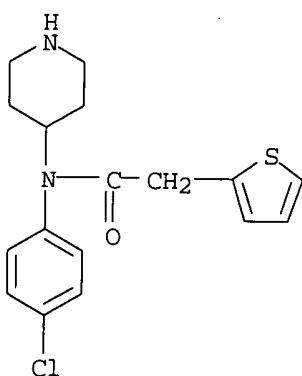
CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl-,
 monohydrobromide (9CI) (CA INDEX NAME)



● HBr

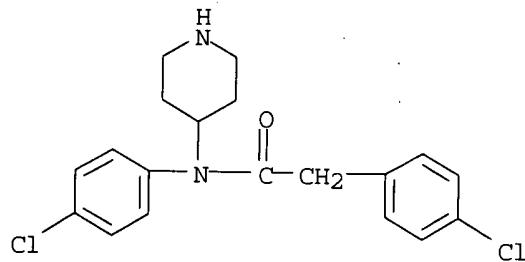
RN 63258-88-8 CAPLUS

CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-,
 monohydrochloride (9CI) (CA INDEX NAME)



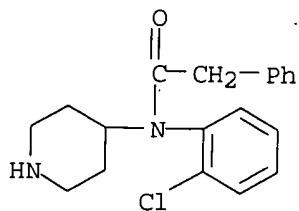
● HCl

RN 63258-89-9 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl-,
 monohydrochloride (9CI) (CA INDEX NAME)



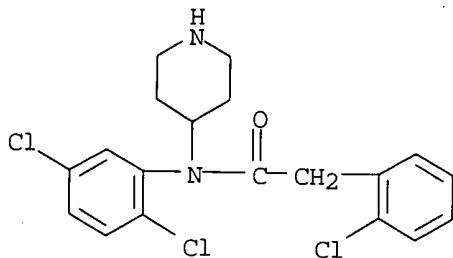
● HCl

IT 63258-70-8 74555-75-2
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (N-alkylation of)
 RN 63258-70-8 CAPLUS
 CN Benzeneacetamide, N-(2-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

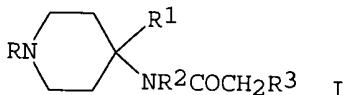


RN 74555-75-2 CAPLUS
 CN Benzeneacetamide, 2-chloro-N-(2,5-dichlorophenyl)-N-4-piperidinyl- (9CI)

(CA INDEX NAME)



GI



AB **Piperidines I** (R = cycloalkyl; R¹ = alkoxy carbonyl; R² = Ph, halophenyl, alkylphenyl; R³ = Ph, halo-, alkyl-, hydroxy-, or alkoxyphenyl), which exhibited antiarrhythmic activity, were prepd. For example, I (R = R¹ = H, R² = 4-ClC₆H₄, R³ = 2-thienyl) was treated with Me₂CHBr to give I (R = CHMe₂, R¹ = H, R² = 4-ClC₆H₄, R³ = 2-thienyl). Reaction of Me 1-isopropyl-4-anilino-4-piperidinecarboxylate with 4-ClC₆H₄CH₂COCl give I (R = CHMe₂, R¹ = CO₂Me, R² = Ph, R³ = 4-ClC₆H₄).

L5 ANSWER 26 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1979:594174 CAPLUS

DN 91:194174

TI Compositions for stabilizing plastics against light
 IN Moser, Paul; Rody, Jean; Karrer, Friedrich
 PA Ciba-Geigy A.-G., Switz.

SO Eur. Pat. Appl., 81 pp.
 CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------------------------|------|----------|-----------------|----------|
| PI | EP 1840 | A2 | 19790516 | EP 1978-101303 | 19781103 |
| | R: BE, CH, DE, FR, GB, NL, SE | | | | |
| | US 4256627 | A | 19810317 | CH 1977-13587 | 19771108 |
| | | | | US 1978-956716 | 19781101 |
| | JP 54095650 | A2 | 19790728 | CH 1977-13587 | 19771108 |
| | | | | JP 1978-137759 | 19781108 |
| | | | | CH 1977-13587 | 19771108 |

IT 71883-08-4

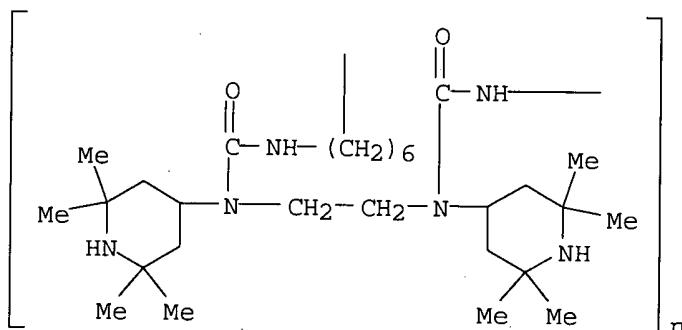
RL: USES (Uses)

(light stabilizers, contg. divalent metal salts, for plastics)

RN 71883-08-4 CAPLUS

CN Poly[iminocarbonyl[(2,2,6,6-tetramethyl-4-piperidinyl)imino]-1,2-ethanediyl[(2,2,6,6-tetramethyl-4-piperidinyl)imino]carbonylimino-1,6-

hexanediy1] (9CI) (CA INDEX NAME)



AB The extn. and migration of alkylpiperidine deriv. polymer light stabilizers in polypropylene (I) [9003-07-0] are reduced by treatment with Ni or Zn carboxylates or enolates. Thus, a PhMe soln. of 10.6 g 4-amino-2,2,6-tetramethylpiperidine-epichlorohydrin copolymer [71882-75-2] (mol. wt. 890) and 8.15 g (C₆H₁₃CO₂)₂Ni.0.5H₂O [67630-07-3] is evapd. at 60.degree./11 mm to give a light-green powder. I contg. 0.15 phr this powder and 0.1 phr pentaerythritol tetrakis[3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionate] loses 50% of its strength after 4820 h in Xenotesting, compared with 480 h for a control.

L5 ANSWER 27 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1979:121243 CAPLUS

DN 90:121243

TI N-Aryl-N-(1-alkyl-4-piperidinyl)arylacetamides

IN Sanczuk, Stefan; Hermans, Hubert K. F.

PA Janssen Pharmaceutica N. V., Belg.

SO U.S., 24 pp..

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| PI | US 4126689 | A | 19781121 | US 1977-795669 | 19770511 |
| | | | | US 1975-615131 | 19750923 |
| | | | | US 1976-700351 | 19760628 |
| | | | | US 1976-700352 | 19760628 |
| | | | | US 1976-700635 | 19760628 |
| | | | | US 1976-700636 | 19760628 |
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| | | | | US 1976-700638 | 19760628 |
| | | | | US 1976-700694 | 19760628 |
| | | | | US 1976-713756 | 19760812 |
| ZA | 7605684 | A | 19780426 | ZA 1976-5684 | 19760922 |
| | | | | US 1975-615131 | 19750923 |
| BE | 846473 | A2 | 19770323 | BE 1976-170847 | 19760923 |
| | | | | US 1975-615131 | 19750923 |
| US | 4151286 | A | 19790424 | US 1978-924490 | 19780713 |
| | | | | US 1975-615131 | 19750923 |
| | | | | US 1976-713756 | 19760812 |
| | | | | US 1977-795669 | 19770511 |
| US | 4157393 | A | 19790605 | US 1978-924533 | 19780713 |

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| US 4196210 | A | 19800401 | US 1975-615131 | 19750923 |
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| | | | US 1978-924484 | 19780713 |
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| | | | US 1976-700351 | 19760628 |
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| | | | US 1977-795669 | 19770511 |
| US 4197304 | A | 19800408 | US 1978-924487 | 19780713 |
| | | | US 1975-615131 | 19750923 |
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| | | | US 1977-795669 | 19770511 |
| US 4197303 | A | 19800408 | US 1978-924530 | 19780713 |
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| | | | US 1976-700694 | 19760628 |
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| US 4198411 | A | 19800415 | US 1978-924531 | 19780713 |
| | | | US 1976-700351 | 19760628 |
| | | | US 1976-700352 | 19760628 |
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| US 4208418 | A | 19800617 | US 1978-924535 | 19780713 |
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| | | | US 1976-713756 | 19760812 |
| | | | US 1977-795669 | 19770511 |
| US 4225606 | A | 19800930 | US 1978-924486 | 19780713 |
| | | | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| | | | US 1977-795669 | 19770511 |
| DK 8404534 | A | 19840921 | DK 1984-4534 | 19840921 |
| DK 153474 | B | 19880718 | | |
| DK 153474 | C | 19881205 | US 1975-615131 | 19750923 |
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PATENT FAMILY INFORMATION:

FAN 1977:453094

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| | NO 7603054 | A | 19770324 | US 1976-713756 19760812 |
| | NO 147672 | B | 19830214 | NO 1976-3054 19760906 |
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| | FR 2325377 | A1 | 19770422 | US 1976-713756 19760812 |
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| | AU 7617878 | A1 | 19780323 | US 1975-615131 19750923 |
| | AU 510029 | B2 | 19800605 | US 1976-713756 19760812 |
| | | | AU 1976-17878 | 19760917 |
| | CA 1068271 | A1 | 19791218 | US 1975-615131 19750923 |
| | | | US 1976-713756 19760812 | |
| | | | CA 1976-261551 19760920 | |
| | | | US 1975-615131 19750923 | |
| | RO 70079 | P | 19821026 | US 1976-713756 19760812 |
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| | JP 52039683 | A2 | 19770328 | US 1976-713756 19760812 |
| | JP 60016417 | B4 | 19850425 | JP 1976-112527 19760921 |
| | | | US 1975-615131 19750923 | |
| | GB 1539473 | A | 19790131 | US 1976-713756 19760812 |
| | | | GB 1976-39099 19760921 | |
| | | | US 1975-615131 19750923 | |
| | IL 50522 | A1 | 19790930 | US 1976-713756 19760812 |
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| | | | US 1975-615131 19750923 | |
| | CH 628623 | A | 19820315 | US 1976-713756 19760812 |
| | | | CH 1976-11948 19760921 | |
| | | | US 1975-615131 19750923 | |
| | FI 7602698 | A | 19770324 | US 1976-713756 19760812 |
| | FI 61482 | B | 19820430 | FI 1976-2698 19760922 |
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| | DK 7604278 | A | 19770324 | US 1975-615131 19750923 |
| | DK 150478 | B | 19870309 | US 1976-713756 19760812 |
| | DK 150478 | C | 19871005 | DK 1976-4278 19760922 |
| | | | US 1975-615131 19750923 | |
| | SE 7610501 | A | 19770324 | US 1976-713756 19760812 |
| | SE 427839 | B | 19830509 | SE 1976-10501 19760922 |
| | SE 427839 | C | 19830818 | US 1975-615131 19750923 |
| | | | US 1976-713756 19760812 | |
| | NL 7610513 | A | 19770325 | NL 1976-10513 19760922 |
| | NL 187267 | B | 19910301 | |

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| NL 187267 | C | 19910801 | | | |
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| ZA 7605684 | A | 19780426 | US 1976-713756 | 19760812 | |
| | | | ZA 1976-5684 | 19760922 | |
| ES 451768 | A1 | 19780501 | US 1975-615131 | 19750923 | |
| | | | ES 1976-451768 | 19760922 | |
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| HU 172964 | P | 19790128 | US 1976-713756 | 19760812 | |
| | | | HU 1976-JA767 | 19760922 | |
| | | | US 1975-615131 | 19750923 | |
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| DK 8404534 | A | 19840921 | DK 1984-4534 | 19840921 | |
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| | | | DK 1976-4278 | 19760922 | |
| FAN 1980:532380 | | | | | |
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE | |
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| PI US 4197303 | A | 19800408 | US 1978-924530 | 19780713 | |
| | | | US 1975-615131 | 19750923 | |
| | | | US 1976-700351 | 19760628 | |
| | | | US 1976-700352 | 19760628 | |
| | | | US 1976-700635 | 19760628 | |
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| | | | US 1976-700637 | 19760628 | |
| | | | US 1976-700638 | 19760628 | |
| | | | US 1976-700694 | 19760628 | |
| | | | US 1976-713756 | 19760812 | |
| | | | US 1977-795669 | 19770511 | |
| ZA 7605684 | A | 19780426 | ZA 1976-5684 | 19760922 | |
| | | | US 1975-615131 | 19750923 | |
| BE 846473 | A2 | 19770323 | BE 1976-170847 | 19760923 | |
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| | | | US 1977-795669 | 19770511 | |
| | | | US 1975-615131 | 19750923 | |
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| | | | US 1976-700352 | 19760628 | |
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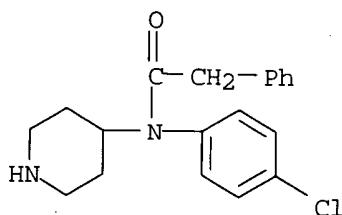
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| DK 8404534 | A | 19840921 | US 1976-700694 | 19760628 |
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| DK 153474 | C | 19881205 | DK 1984-4534 | 19840921 |
| | | | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| | | | DK 1976-4278 | 19760922 |

IT 63258-86-6P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. and antiarrhythmic activity of)

RN 63258-86-6 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



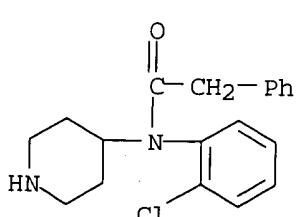
● HCl

IT 63258-70-8P 63258-71-9P 63258-72-0P
63258-73-1P 63258-74-2P 63258-75-3P
63258-76-4P 63258-77-5P 63258-78-6P
63258-79-7P 63258-80-0P 63258-81-1P
63258-82-2P 63258-83-3P 63258-84-4P
63258-87-7P 63258-88-8P 63258-90-2P
63258-91-3P 63258-92-4P 63260-75-3P
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RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn. and N-alkylation of)

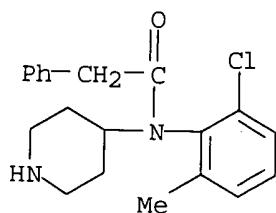
RN 63258-70-8 CAPLUS

CN Benzeneacetamide, N-(2-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



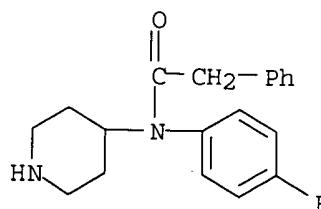
RN 63258-71-9 CAPLUS

CN Benzeneacetamide, N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



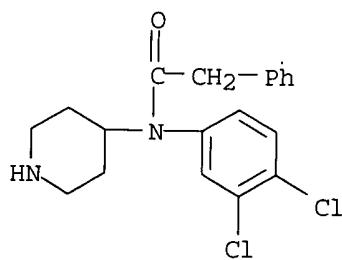
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CN Benzeneacetamide, N-(4-fluorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



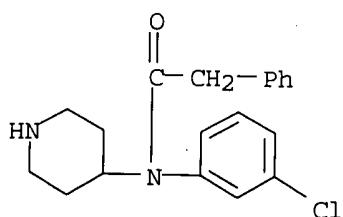
RN 63258-73-1 CAPLUS

CN Benzeneacetamide, N-(3,4-dichlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



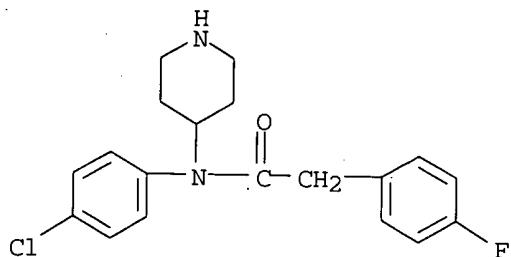
RN 63258-74-2 CAPLUS

CN Benzeneacetamide, N-(3-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



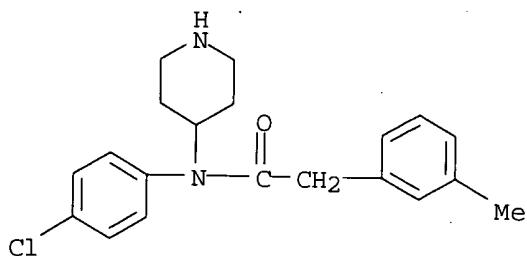
RN 63258-75-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



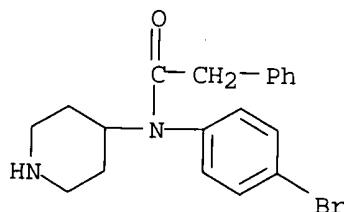
RN 63258-76-4 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-3-methyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



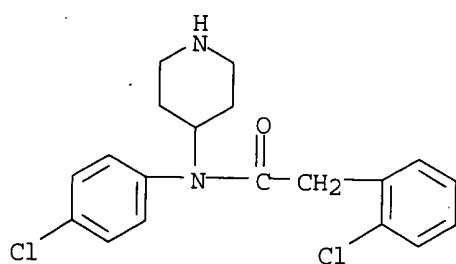
RN 63258-77-5 CAPLUS

CN Benzeneacetamide, N-(4-bromophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

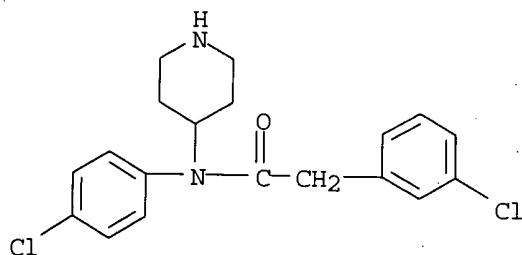


RN 63258-78-6 CAPLUS

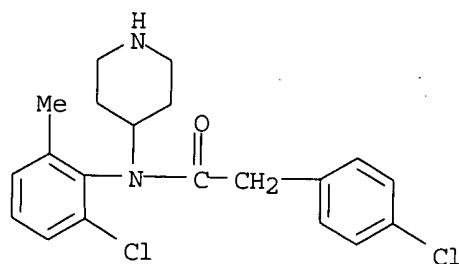
CN Benzeneacetamide, 2-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



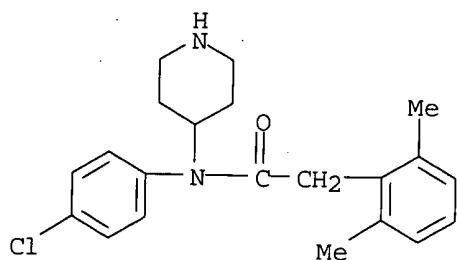
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 CN Benzeneacetamide, 3-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



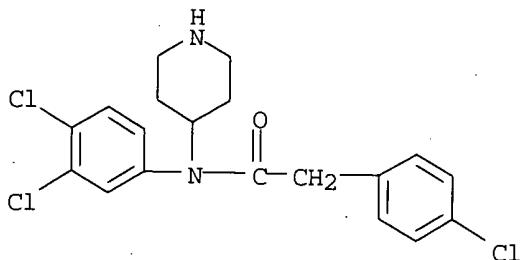
RN 63258-80-0 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



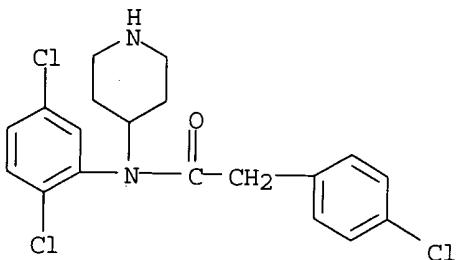
RN 63258-81-1 CAPLUS
 CN Benzeneacetamide, N-(4-chlorophenyl)-2,6-dimethyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



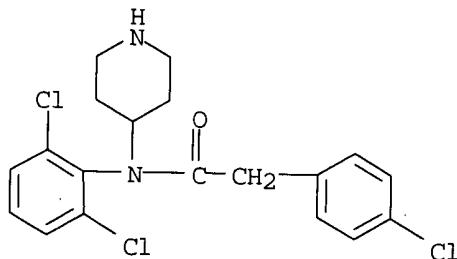
RN 63258-82-2 CAPLUS

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(CA INDEX NAME)

RN 63258-83-3 CAPLUS

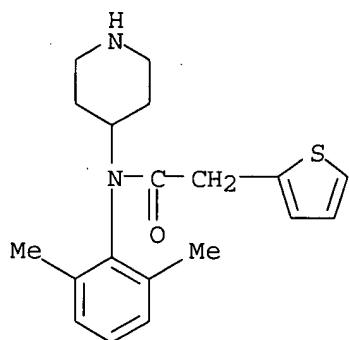
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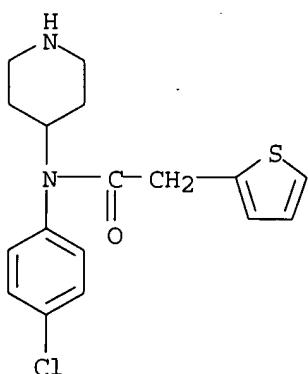
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(CA INDEX NAME)

RN 63258-87-7 CAPLUS

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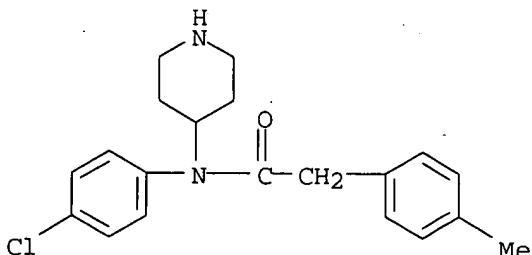


RN 63258-88-8 CAPLUS

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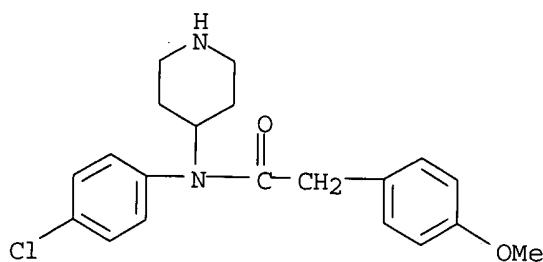
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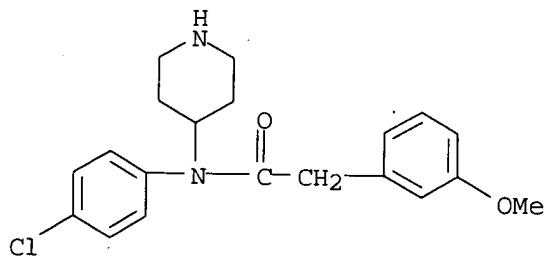
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INDEX NAME)



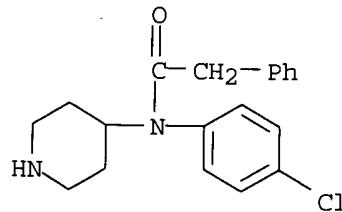
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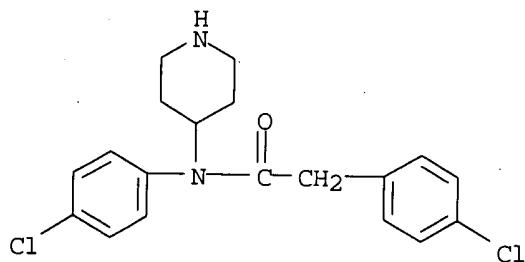
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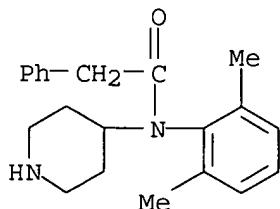


RN 63260-76-4 CAPLUS

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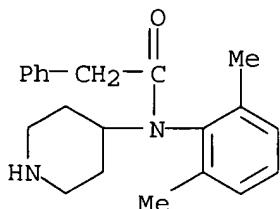


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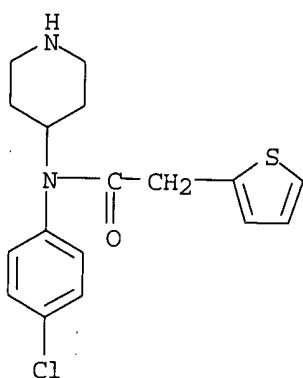
● HCl

IT 63258-85-5P 63258-88-8P 63258-89-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)
 RN 63258-85-5 CAPLUS
 CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl-,
 monohydrobromide (9CI) (CA INDEX NAME)



● HBr

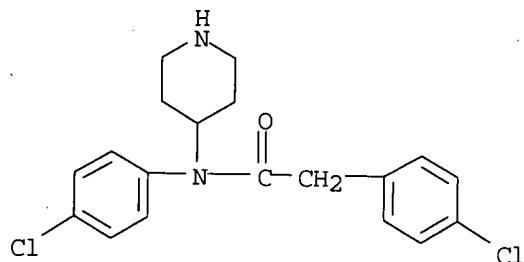
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 CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-,
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● HCl

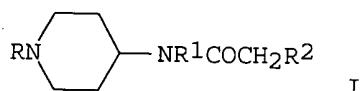
RN 63258-89-9 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

GI



AB Title amides I ($R = C_1-C_{10}$ alkyl; $R_1 = Ph$, halophenyl, alkylphenyl; $R_2 = Ph$, halophenyl, alkylphenyl, hydroxyphenyl, alkoxyphenyl), which exhibited antiarrhythmic activity (data tabulated), were prepd. by N-alkylation of N-phenyl-N-(4-piperidinyl)-2-phenylacetamides and by N-acylation of 1-alkyl-4-anilinopiperidines. I ($R = H$, $R_1 = 4-ClC_6H_4$, $R_2 = Ph$) was heated with Me_2CHBr , Na_2CO_3 , KI , and $BuOH$ to give I ($R = CHMe_2$, $R_1 = 4-ClC_6H_4$, $R_2 = Ph$).

L5 ANSWER 28 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1977:453094 CAPLUS

DN 87:53094
 TI N-Aryl-N-(4-piperidinyl)arylacetamides
 IN Sanczuk, Stefan; Hermans, Hubert K. F.
 PA Janssen Pharmaceutica N. V., Belg.
 SO Ger. Offen., 66 pp.
 CODEN: GWXXBX

DT Patent

LA German

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI | DE 2642856 | A1 | 19770324 | DE 1976-2642856 | 19760923 |
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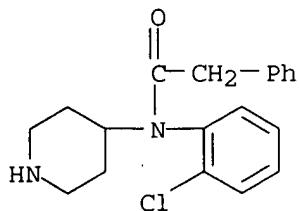
PATENT FAMILY INFORMATION:

FAN 1979:121243

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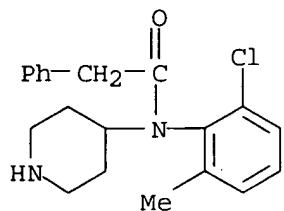
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| 63258-82-2P 63258-83-3P 63258-84-4P | | | | | |
| 63258-85-5P 63258-86-6P 63258-87-7P | | | | | |
| 63258-88-8P 63258-89-9P 63258-90-2P | | | | | |
| 63258-91-3P 63258-92-4P | | | | | |
| RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) | | | | | |
| (prep. and antiarrhythmic activity of) | | | | | |
| RN 63258-70-8 CAPLUS | | | | | |
| CN Benzeneacetamide, N-(2-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME) | | | | | |



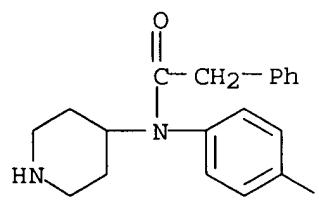
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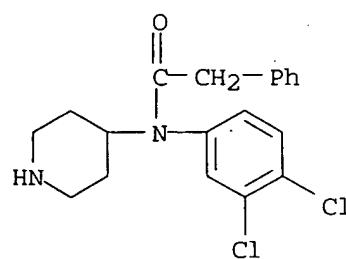
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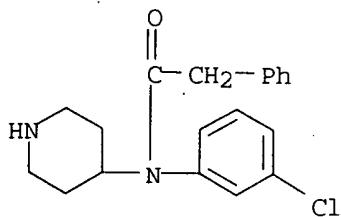
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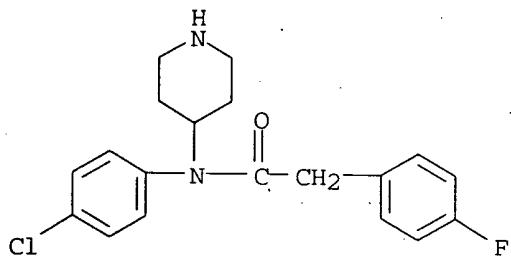
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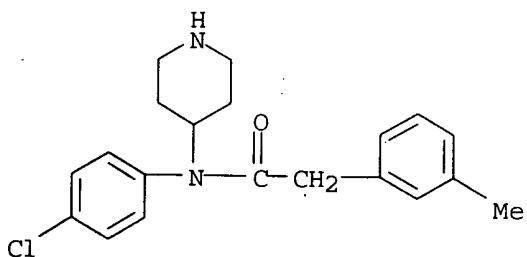
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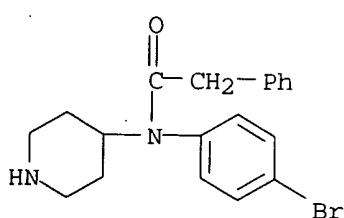
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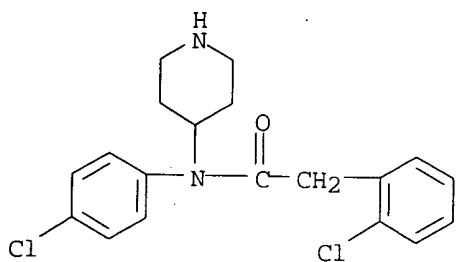
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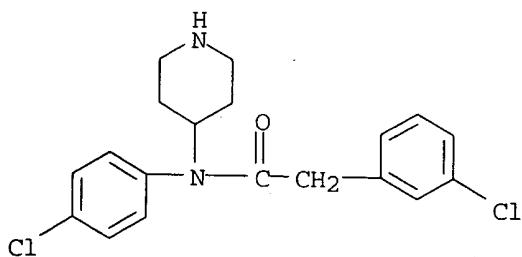
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INDEX NAME)



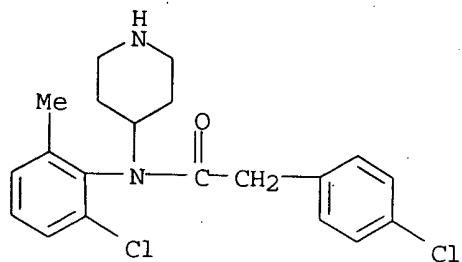
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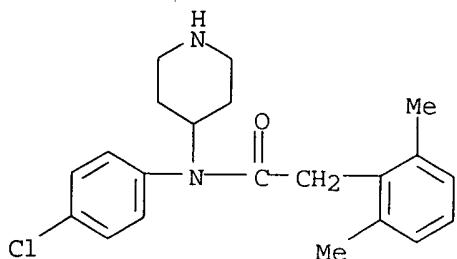
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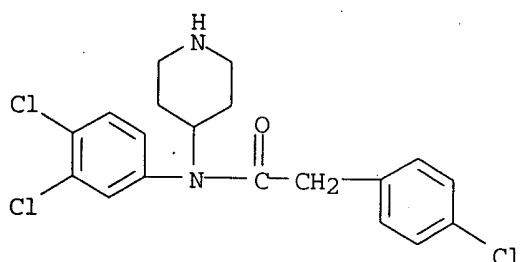


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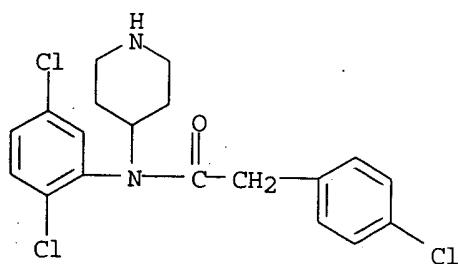
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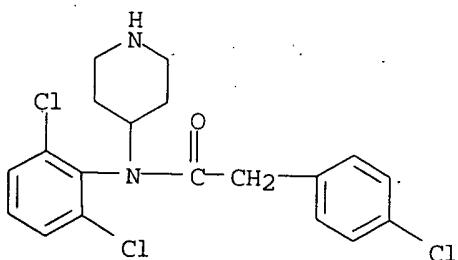
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(CA INDEX NAME)

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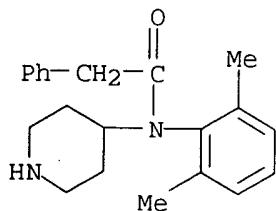
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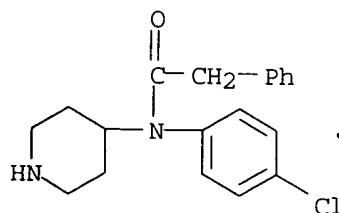
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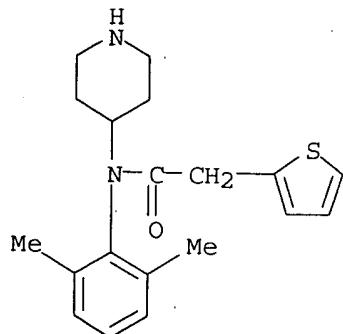
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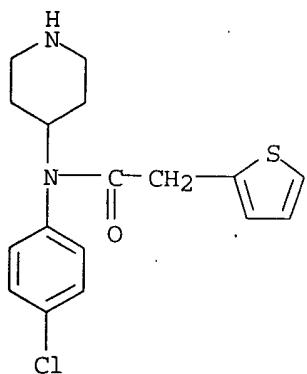
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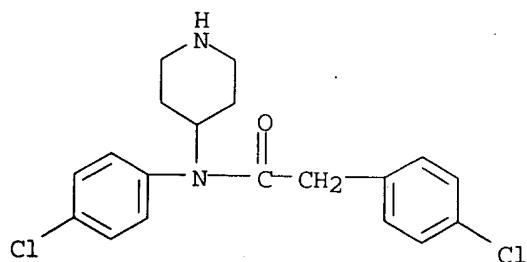
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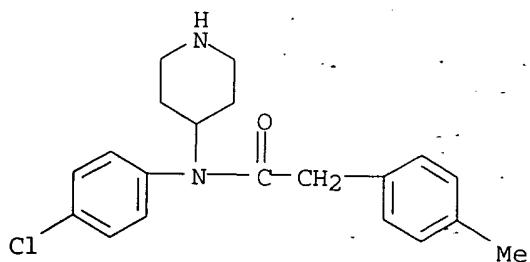
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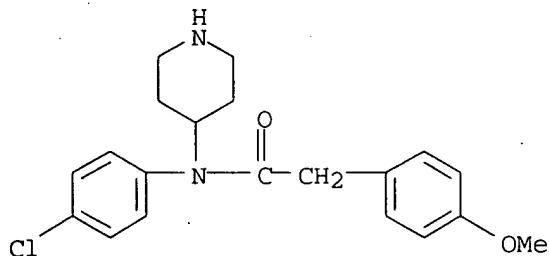


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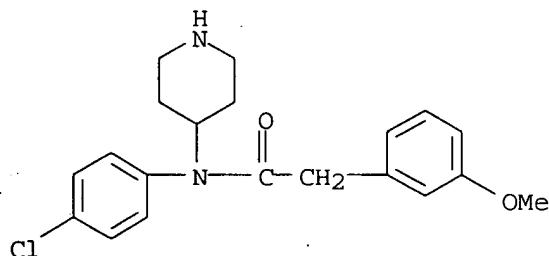
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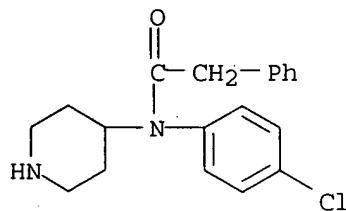
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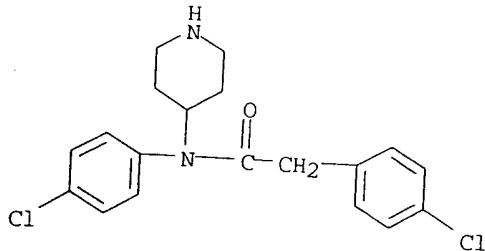
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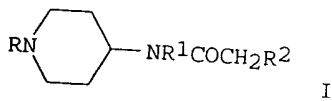
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 RN 63260-75-3 CAPLUS
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IT 63260-76-4
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction with propyl iodide)
 RN 63260-76-4 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



GI



AB About 165 (piperidinyl)arylacetamides I (R = H, Et, Me₂CH, CO₂Et, cyclopentyl, etc.; R₁ = Ph, 4-ClC₆H₄, 2,6-Me₂C₆H₃, 2-pyridyl, etc.; R₂ = Ph, 4-MeC₆H₄, 3-ClC₆H₄, 2-thienyl, etc.) and analogs, having antiarrhythmic activity in dogs, were prep'd. Thus, reaction of 159.5 parts 4-ClC₆H₄NH₂ with 172.1 parts Et 4-oxo-1-piperidinecarboxylate in PhMe in presence of 4-MeC₆H₄SO₃H gives after 7 h reflux 192 parts Et 4-[(4-chlorophenyl)imino]-1-piperidinecarboxylate, which on treatment with NaBH₄ in MeOH at 50.degree. gives after 3 h 122 parts Et 4-(4-chloroanilino)-1-piperidinecarboxylate (II). Reaction of 58 parts II with 46.2 parts PhCH₂COCl in C₆H₆ at 40-70.degree. and reflux for 6.25 h gives 47 parts I (R = CO₂Et, R₁ = 4-ClC₆H₄, R₂ = Ph).

09800096.1 0

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DN 87:53094
TI N-Aryl-N-(4-piperidinyl)arylacetamides
IN Sanczuk, Stefan; Hermans, Hubert K. F.
PA Janssen Pharmaceutica N. V., Belg.
SO Ger. Offen., 66 pp.
CODEN: GWXXBX

DT Patent

LA German

FAN CNT 3

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PATENT FAMILY INFORMATION:

FAN 1979:121243

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FAN 1980:532380

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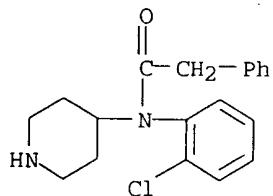
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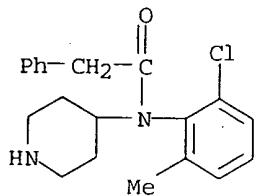
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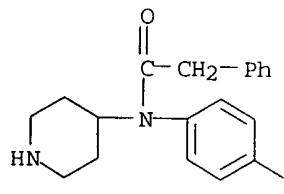
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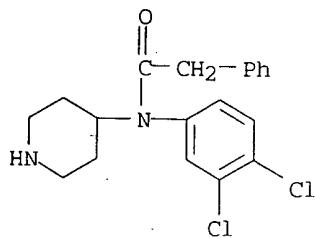
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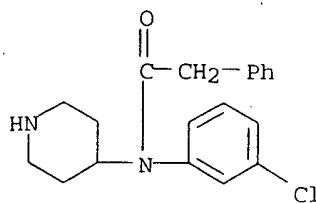
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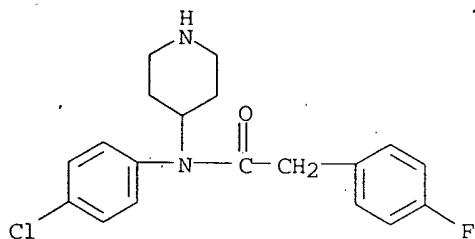
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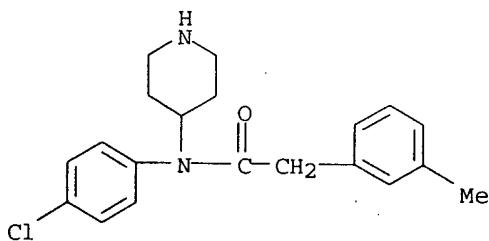
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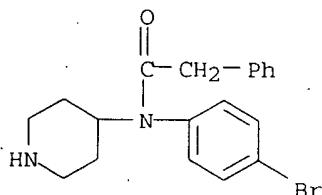
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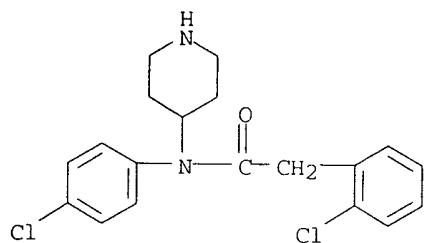
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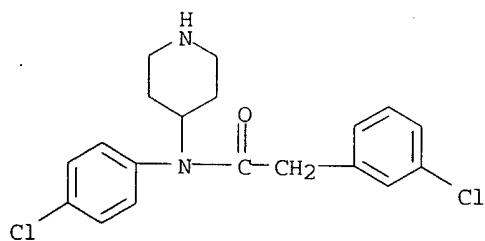
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INDEX NAME)



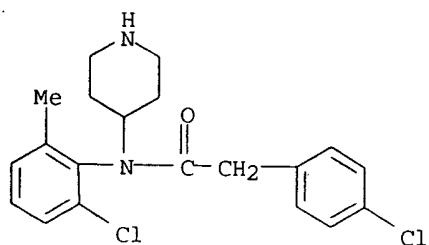
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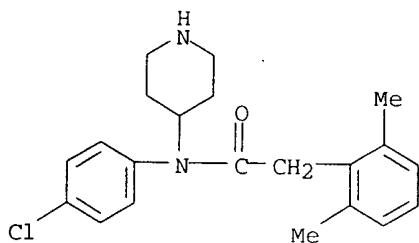
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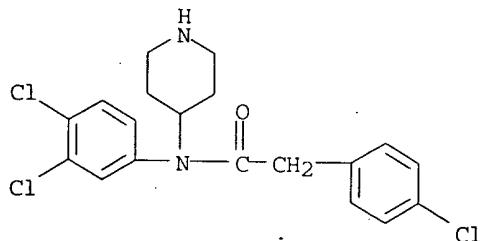


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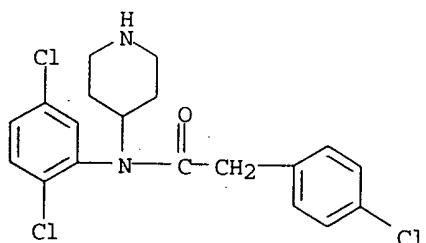
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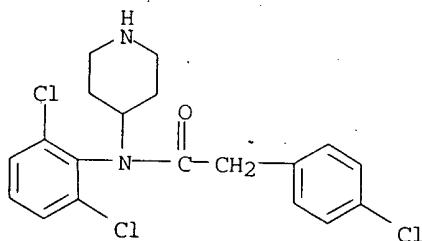
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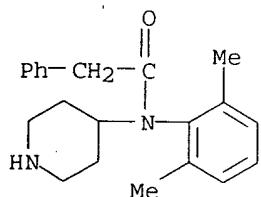
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(CA INDEX NAME)

RN 63258-84-4 CAPLUS

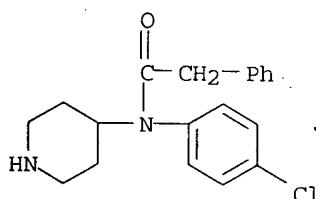
CN Benzeneacetamide, 4-chloro-N-(2,6-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

RN 63258-85-5 CAPLUS
 CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl-, monohydrobromide (9CI) (CA INDEX NAME)



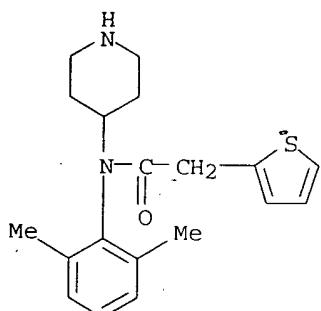
● HBr

RN 63258-86-6 CAPLUS
 CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



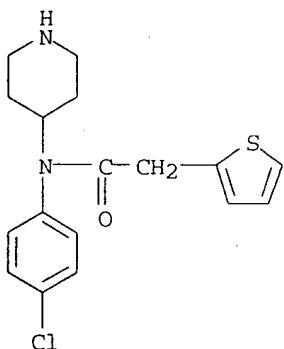
● HCl

RN 63258-87-7 CAPLUS
 CN 2-Thiopheneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 63258-88-8 CAPLUS

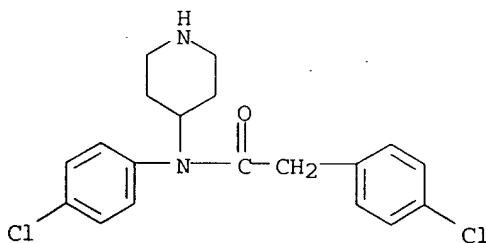
CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-,
monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 63258-89-9 CAPLUS

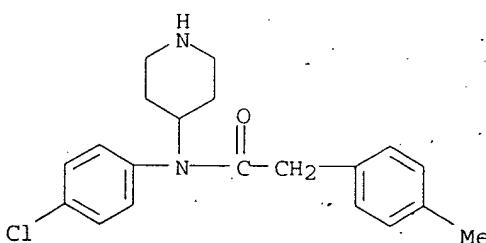
CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl-,
monohydrochloride (9CI) (CA INDEX NAME)



● HCl

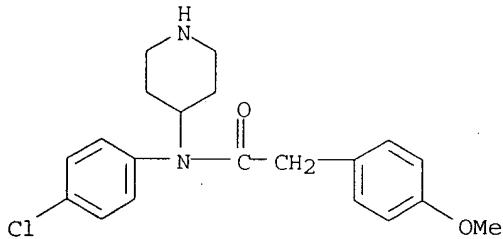
RN 63258-90-2 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-4-methyl-N-4-piperidinyl- (9CI) (CA
INDEX NAME)



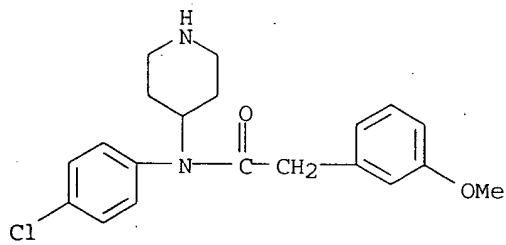
RN 63258-91-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 63258-92-4 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-3-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

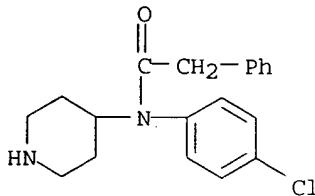


IT 63260-75-3

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with isopropyl bromide)

RN 63260-75-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

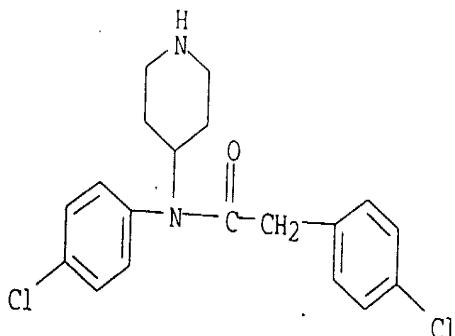


IT 63260-76-4

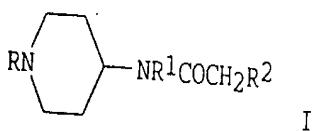
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction with propyl iodide)

RN 63260-76-4 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



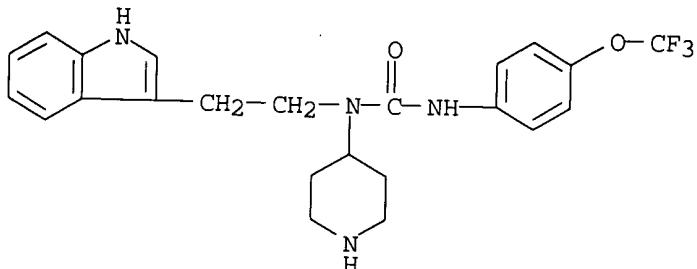
GI



AB About 165 (piperidinyl)arylacetamides I (R = H, Et, Me₂CH, CO₂Et, cyclopentyl, etc.; R₁ = Ph, 4-ClC₆H₄, 2,6-Me₂C₆H₃, 2-pyridyl, etc.; R₂ = Ph, 4-MeC₆H₄, 3-ClC₆H₄, 2-thienyl, etc.) and analogs, having antiarrhythmic activity in dogs, were prepd. Thus, reaction of 159.5 parts 4-ClC₆H₄NH₂ with 172.1 parts Et 4-oxo-1-piperidinecarboxylate in PhMe in presence of 4-MeC₆H₄SO₃H gives after 7 h reflux 192 parts Et 4-[(4-chlorophenyl)imino]-1-piperidinecarboxylate, which on treatment with NaBH₄ in MeOH at 50 degree. gives after 3 h 122 parts Et 4-(4-chloroanilino)-1-piperidinecarboxylate (II). Reaction of 58 parts II with 46.2 parts PhCH₂COCl in C₆H₆ at 40-70 degree. and reflux for 6.25 h gives 47 parts I (R = CO₂Et, R₁ = 4-ClC₆H₄, R₂ = Ph).

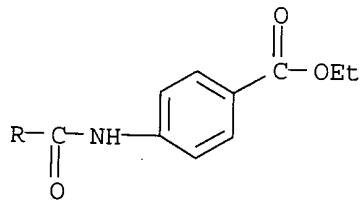
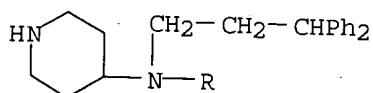
RN 344788-77-8 CAPLUS

CN Urea, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethoxy)phenyl)- (9CI) (CA INDEX NAME)



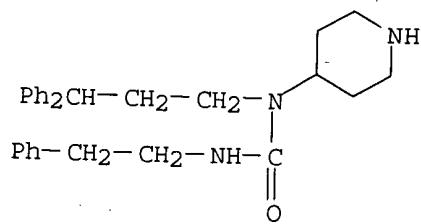
RN 344788-79-0 CAPLUS

CN Benzoic acid, 4-[[[(3,3-diphenylpropyl)-4-piperidinylamino]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



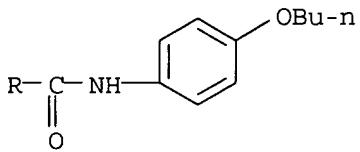
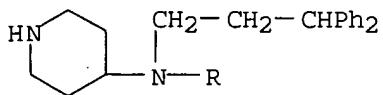
RN 344788-80-3 CAPLUS

CN Urea, N-(3,3-diphenylpropyl)-N'-(2-phenylethyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



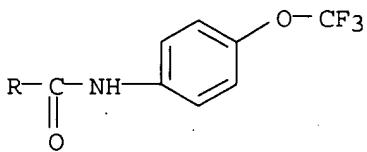
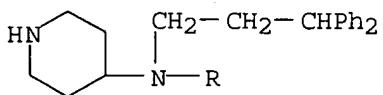
RN 344788-82-5 CAPLUS

CN Urea, N'-(4-butoxyphenyl)-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



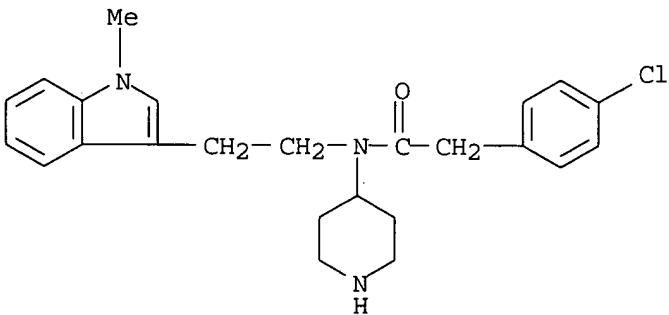
RN 344788-83-6 CAPLUS

CN Urea, N-(3,3-diphenylpropyl)-N-4-piperidinyl-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



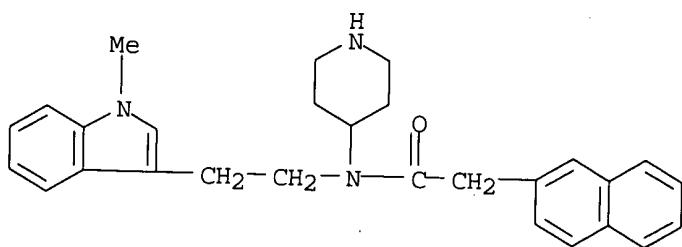
RN 344789-56-6 CAPLUS

CN Benzeneacetamide, 4-chloro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



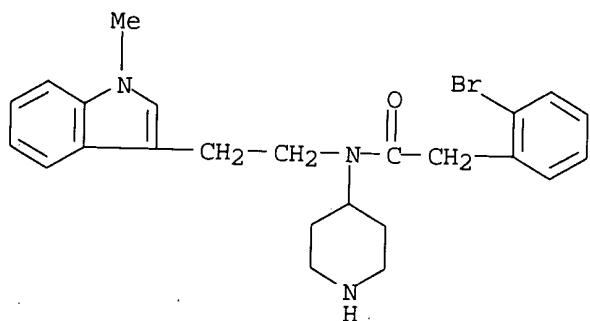
RN 344789-57-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



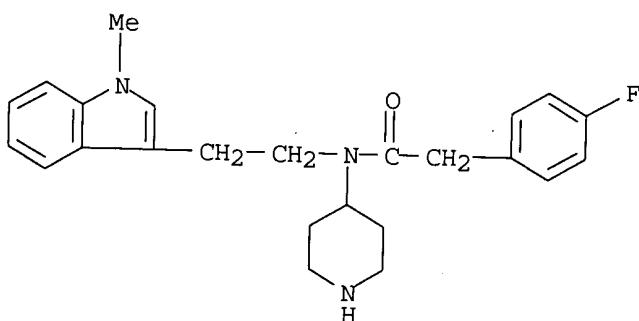
RN 344789-58-8 CAPLUS

CN Benzeneacetamide, 2-bromo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



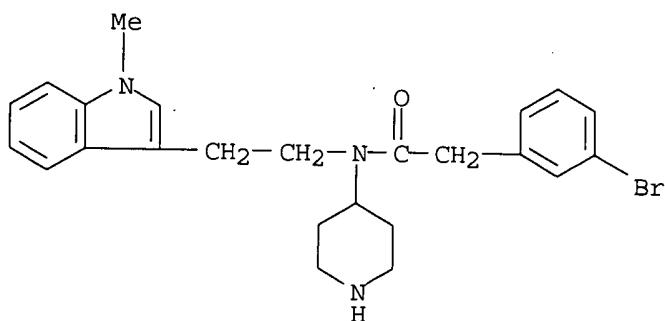
RN 344789-59-9 CAPLUS

CN Benzeneacetamide, 4-fluoro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



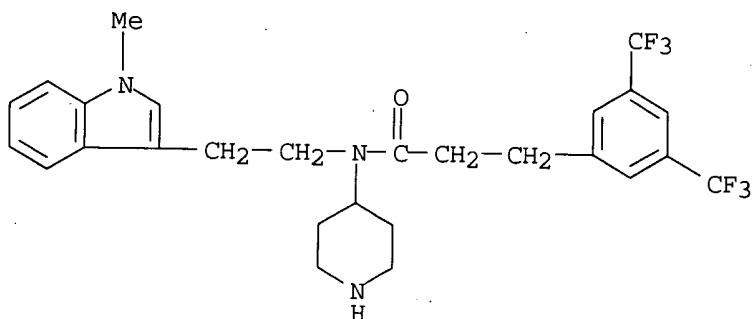
RN 344789-60-2 CAPLUS

CN Benzeneacetamide, 3-bromo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



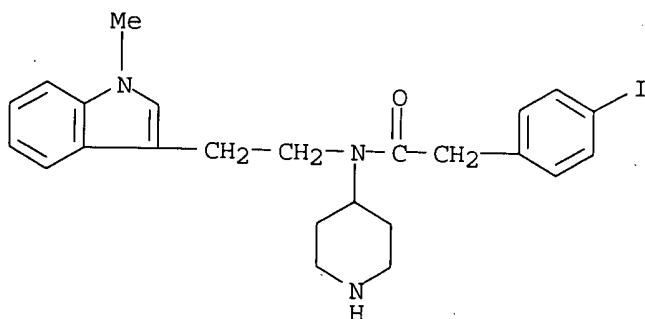
RN 344789-61-3 CAPLUS

CN Benzenepropanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



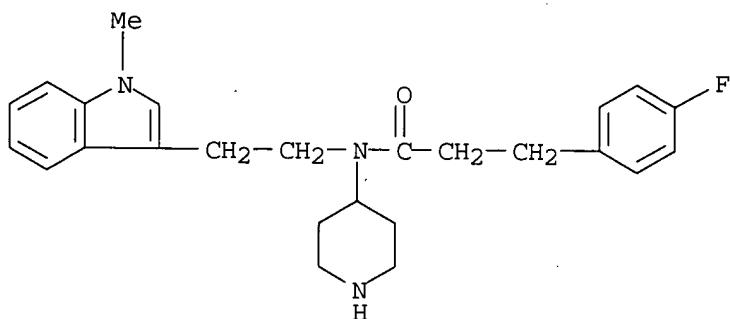
RN 344789-62-4 CAPLUS

CN Benzenecacetamide, 4-iodo-N- [2-(1-methyl-1H-indol-3-yl)ethyl] -N-4-piperidinyl- (9CI) (CA INDEX NAME)



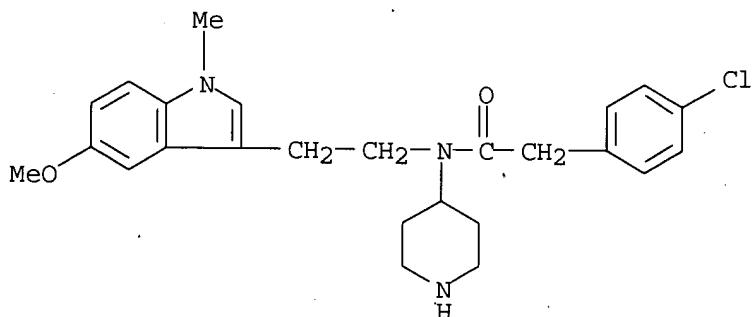
RN 344789-63-5 CAPLUS

CN Benzenepropanamide, 4-fluoro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



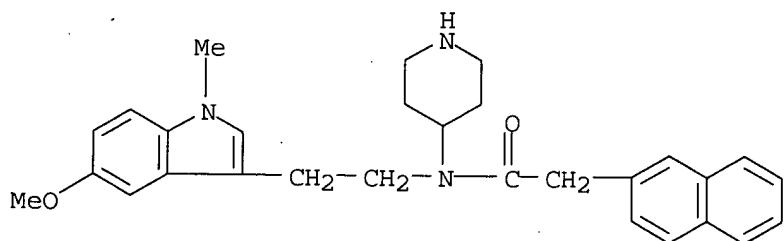
RN 344789-64-6 CAPLUS

CN Benzeneacetamide, 4-chloro-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



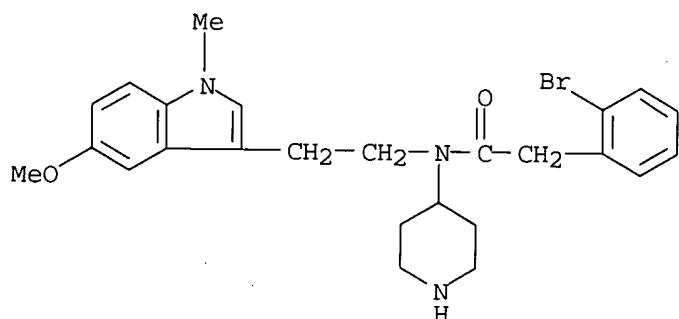
RN 344789-65-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



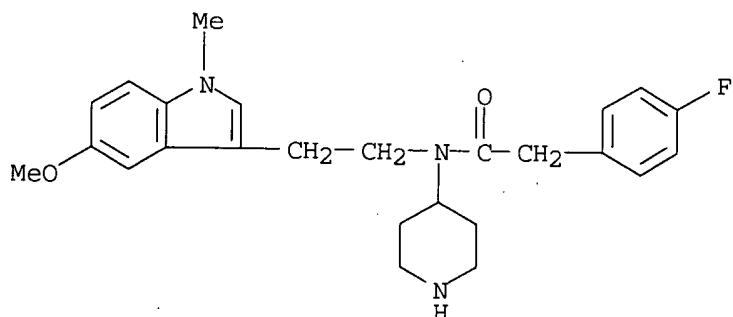
RN 344789-66-8 CAPLUS

CN Benzeneacetamide, 2-bromo-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



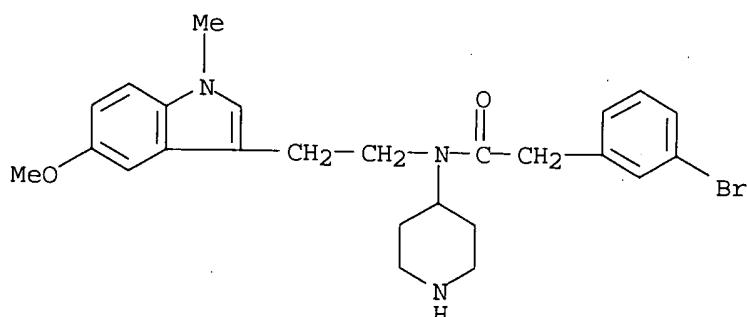
RN 344789-67-9 CAPLUS

CN Benzeneacetamide, 4-fluoro-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



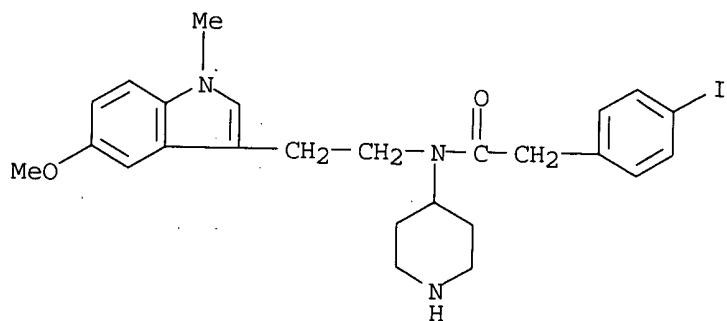
RN 344789-68-0 CAPLUS

CN Benzeneacetamide, 3-bromo-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



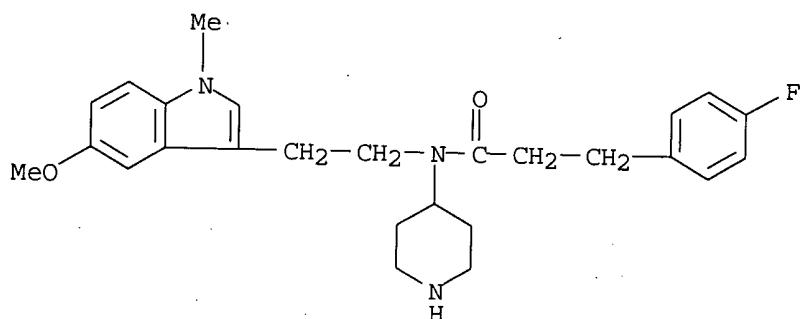
RN 344789-69-1 CAPLUS

CN Benzeneacetamide, 4-iodo-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



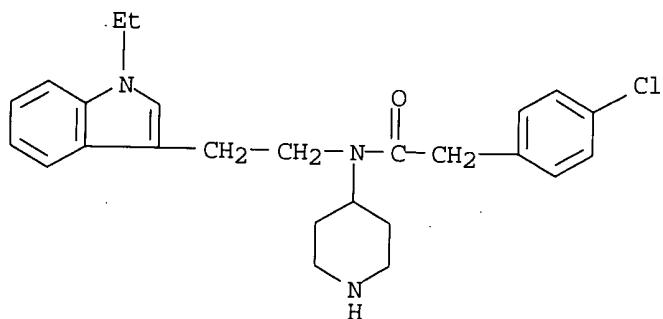
RN 344789-70-4 CAPLUS

CN Benzenepropanamide, 4-fluoro-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



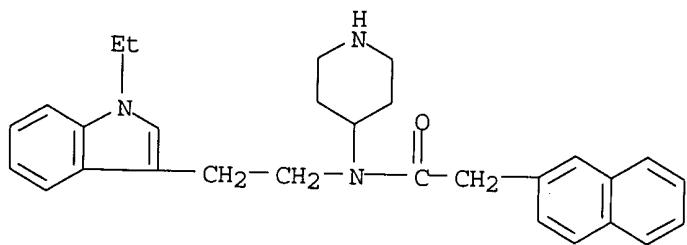
RN 344789-71-5 CAPLUS

CN Benzeneacetamide, 4-chloro-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



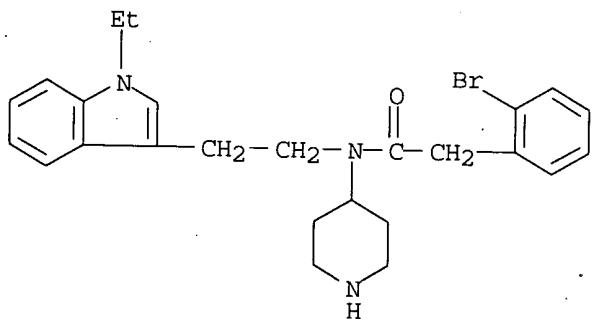
RN 344789-72-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



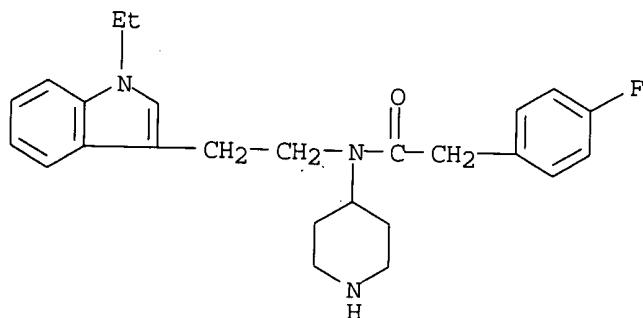
RN 344789-73-7 CAPLUS

CN Benzeneacetamide, 2-bromo-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



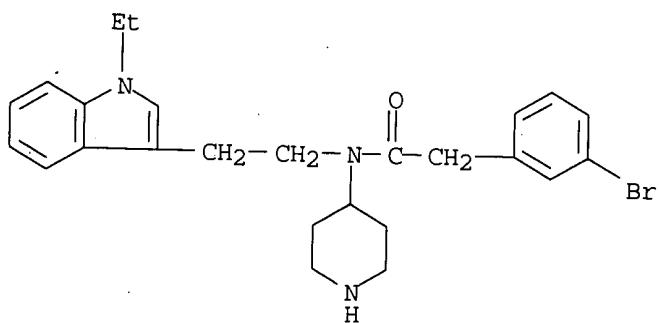
RN 344789-74-8 CAPLUS

CN Benzeneacetamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



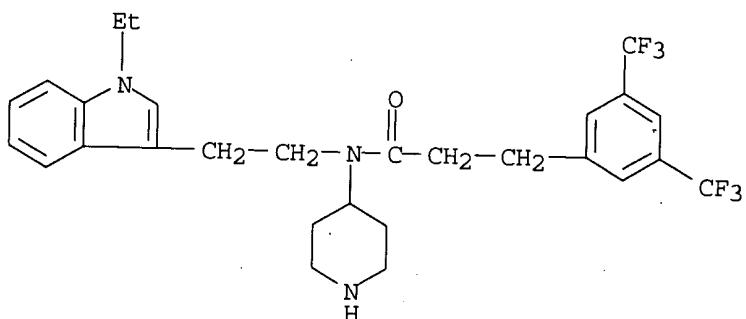
RN 344789-75-9 CAPLUS

CN Benzeneacetamide, 3-bromo-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



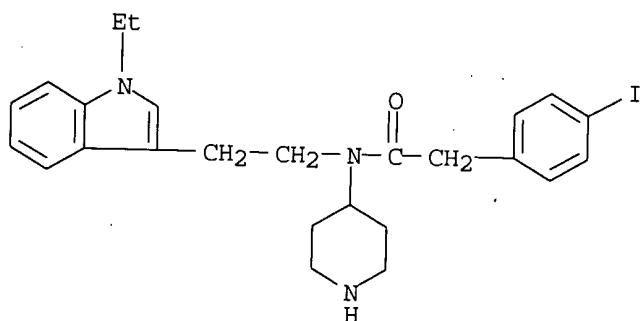
RN 344789-76-0 CAPLUS

CN Benzene propanamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



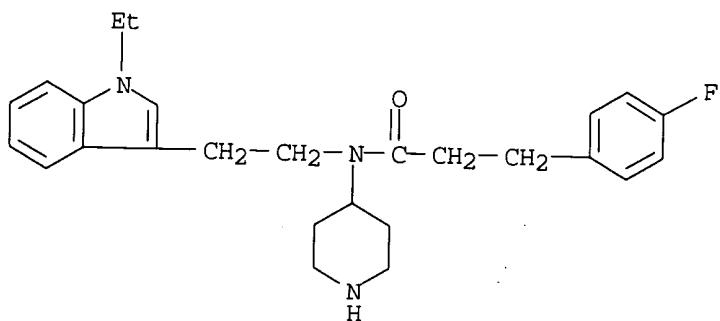
RN 344789-77-1 CAPLUS

CN Benzeneacetamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-4-iodo-N-4-piperidinyl- (9CI) (CA INDEX NAME)



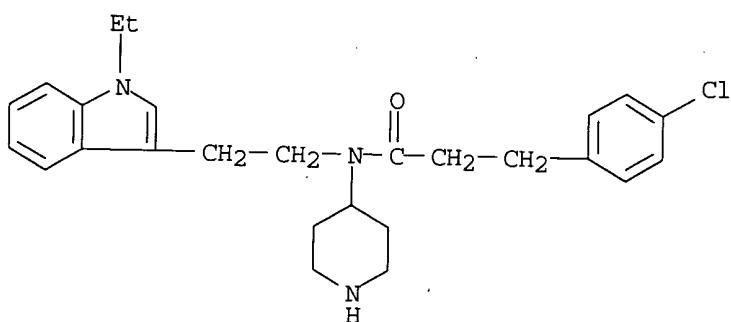
RN 344789-78-2 CAPLUS

CN Benzene propanamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



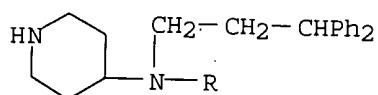
RN 344789-79-3 CAPLUS

CN Benzenepropanamide, 4-chloro-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



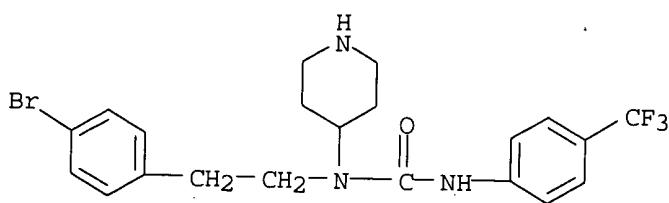
RN 344790-73-4 CAPLUS

CN Urea, N-(3,3-diphenylpropyl)-N-4-piperidinyl-N'-(3-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



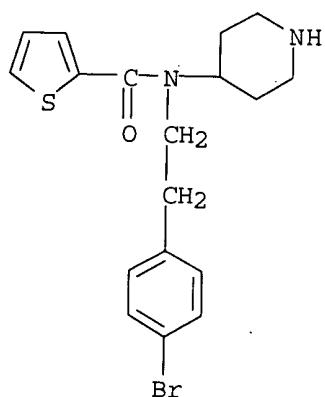
RN 344790-74-5 CAPLUS

CN Urea, N-[2-(4-bromophenyl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



RN 344790-76-7 CAPLUS

CN 2-Thiophenecarboxamide, N-[2-(4-bromophenyl)ethyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

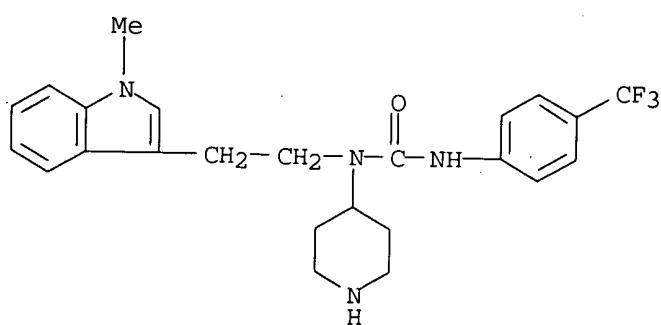


IT 344787-45-7DP, resin-bound

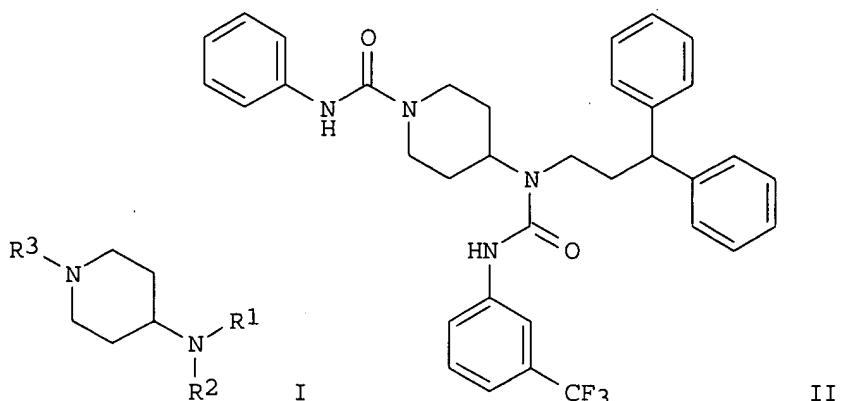
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)
(intermediate; prepn. of aminopiperidine derivs. as somatostatin
receptor ligands)

RN 344787-45-7 CAPLUS

CN Urea, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-
(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



GI



AB The invention concerns novel 4-aminopiperidine derivs. I [R1 = alkyl, alkenyl, alkynyl, $(CH_2)^mYZ_1$, $(CH_2)^mZ_2$, 1-benzylpiperidin-4-yl, 2-naphthylcarbamoyl, 4-benzylpiperazin-1-yl, 2-acetamidoethyl; Z1 = alkyl or (un)substituted aryl; Z2 = cyano, cyclohexenyl, bis-Ph, cycloalkyl, (un)substituted heterocycloalkyl, aryl, heteroaryl, etc.; R2 = C(Y)NHX1, C(O)X2, SO₂X3; R3 = H, (un)substituted alkyl, alkenyl, alkynyl, aralkyl, C(Y)NHX1, $(CH_2)^nC(O)X_2$, SO₂X3, etc.; X1 = alkyl, alkenyl, alkynyl, aryl, aralkyl, etc.; X2 = wide variety of groups; X3 = alkyl, alkenyl, phenylalkenyl, CF₃, (un)substituted (hetero)aryl or -aralkyl; Y = O, S; n = 0-4; m = 1-6]. Also disclosed are methods for their prepn. by parallel synthesis processes in liq. and solid phase. I have good affinity for certain sub-types of somatostatin receptors, and are particularly useful for treating pathol. conditions or diseases wherein one more somatostatin receptor sub-types are involved. Claims specifically mention acromegaly, pituitary adenoma, or endocrine gastroenteropancreatic tumors in carcinoid syndrome. A table of 778 compds. I is given, and several syntheses are described in detail. For instance, N-BOC-4-piperidone underwent reductive amination with 3,3-diphenylpropylamine and NaBH(OAc)₃, followed by reaction with 3-trifluoromethylphenyl isocyanate, removal of the BOC group with CF₃CO₂H, and reaction with Ph isocyanate, to give title compd. II. Some compds. I had sub-micromolar Ki for at least one of five tested somatostatin receptor subtypes (no data).

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 11 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 2000:840645 CAPTUS

DN 134:100742

TI Multistep solution-phase parallel synthesis of spiperone analogs

AU Hansen, Henrik C.; Olsson, Roger; Croston, Glenn; Andersson, Carl-Magnus

Hansen, Henrik C., Cissel, Roger, Crofton, Glenn, Andersson, Carl-Magnus
Synthetic Chemistry, ACADIA Pharmaceuticals A/S, Glostrup DK-2600, Den

Synthetic Chemistry, ACADIA Pharmaceuticals A/S, GIOSTRUP, DK-2600, SO Bioorganic & Medicinal Chemistry Letters (2000) 10(21): 2425-2428

CODEN: BMCL-E8; ISSN: 0960-884X

CODEN: BMCL68; ISSN:
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OS CASBFACT

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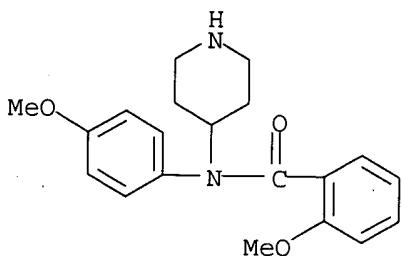
11 319427-89-9P 319427-93-5P 319427-94-6P
319427-96-8P

319427-96-8P
E5 E55 15

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

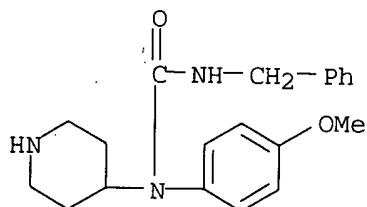
(multistep soln.-phase parallel synthesis of spiperone analogs)

RN 319427-89-9 CAPLUS

CN Benzamide, 2-methoxy-N-(4-methoxyphenyl)-N-4-piperidinyl-, hydrochloride
(9CI) (CA INDEX NAME)

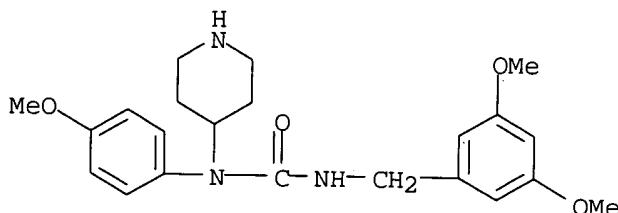
● x HCl

RN 319427-93-5 CAPLUS

CN Urea, N-(4-methoxyphenyl)-N'-(phenylmethyl)-N-4-piperidinyl-,
hydrochloride (9CI) (CA INDEX NAME)

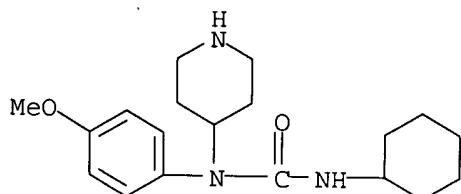
● x HCl

RN 319427-94-6 CAPLUS

CN Urea, N'-(3,5-dimethoxyphenyl)methyl-N-(4-methoxyphenyl)-N-4-piperidinyl-,
hydrochloride (9CI) (CA INDEX NAME)

x HCl

RN 319427-96-8 CAPLUS
 CN Urea, N'-cyclohexyl-N-(4-methoxyphenyl)-N-4-piperidinyl-, hydrochloride
 (9CI) (CA INDEX NAME)



•x HCl

AB A flexible, multistep parallel synthesis of spiperone analogs is described. A library of 4-substituted **piperidines**, assembled utilizing reductive amination and acylation protocols, was alkylated either homogeneously or heterogeneously, exploiting a product release only concept, to afford an oxa-series of spiperone analogs. Screening of the products at 5-HT2 and D2 receptors revealed 5-HT2A antagonists with improved selectivity compared to spiperone and AMI-193.

RE.CNT 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 12 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1999:106962 CAPLUS

DN 130:197400

TI **Piperidine** compounds, intermediates for their preparation, and their use as nonbleeding stabilizers for polymer materials
 IN Okamoto, Kazunari; Samizo, Motohiko; Shimoide, Michio
 PA Sumitomo Chemical Co., Ltd., Japan
 SO Jpn. Kokai Tokkyo Koho, 17 pp.
 CODEN: JKXXAF

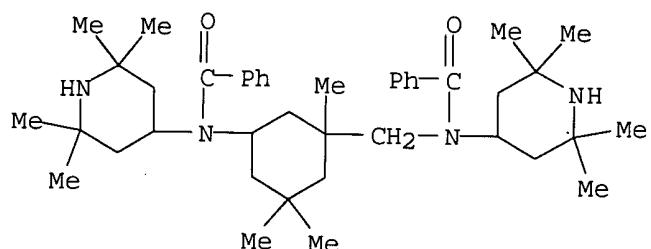
DT Patent

LA Japanese

FAN.CNT 1

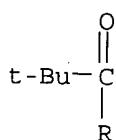
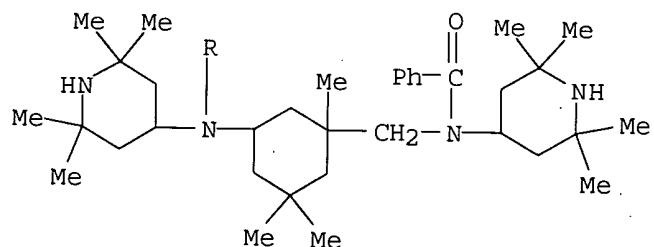
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------------|------|----------|-----------------|----------|
| PI | JP 11035560 | A2 | 19990209 | JP 1997-199942 | 19970725 |
| OS | MARPAT 130:197400 | | | JP 1997-199942 | 19970725 |

IT 220735-26-2P 220735-35-3P 220735-36-4P
 RL: MOA (Modifier or additive use); PRP (Properties); SPN (Synthetic preparation); PREP (Preparation); USES (Uses)
 (**piperidine** compds., intermediates for prepn., and use as nonbleeding stabilizers for polymer materials)
 RN 220735-26-2 CAPLUS
 CN Benzamide, N-[3-[[benzoyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]methyl]-3,5,5-trimethylcyclohexyl]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)



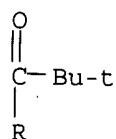
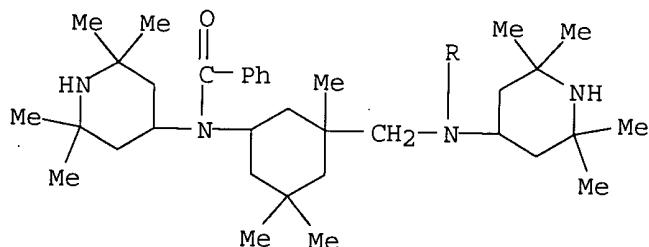
RN 220735-35-3 CAPLUS

CN Benzamide, N-[5-[(2,2-dimethyl-1-oxopropyl)(2,2,6,6-tetramethyl-4-piperidinyl)amino]-1,3,3-trimethylcyclohexyl]methyl]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

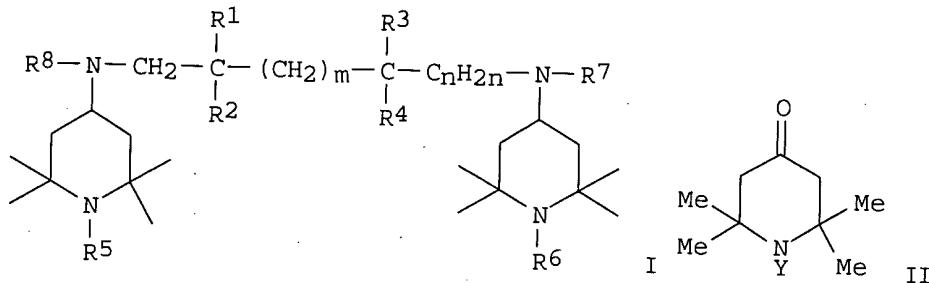


RN 220735-36-4 CAPLUS

CN Benzamide, N-[3-[(2,2-dimethyl-1-oxopropyl)(2,2,6,6-tetramethyl-4-piperidinyl)amino]methyl]-3,5,5-trimethylcyclohexyl]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)



GI



AB Compds. I ($R_1 = C_1\text{-}6$ alkyl; $R_2\text{-}6 = H$, $C_1\text{-}6$ alkyl; $m = 0\text{-}2$; R_1 and R_3 together may form a $C_5\text{-}9$ ring; $R_7, R_8 = H$, $C_2\text{-}18$ acyl; $R_7 = R_8$ noteq. H ; $n = 0\text{-}2$) are prep'd. by reductive alkylation of $H_2NCH_2CR_1R_2(CH_2)_mCR_3R_4CnH_2nNH_2$ by piperidones II ($Y = R_5, R_6$) and acylation of I ($R_7 = R_8 = H$) by R_9COX [$R_9 = C_1\text{-}17$ alkyl, ($C_1\text{-}6$ alkyl-substituted) phenyl; $X = \text{halo}$, OR_{10} , O_2CR_9 , $NR_{11}R_{12}$; $R_{10}\text{-}12 = H$, $C_1\text{-}6$ alkyl]. Thus, 19.7 g I ($R_1 = Me$; $R_2\text{-}8 = H$; $n = m = 1$) (prepn. given) was acylated in PhMe by 17.6 g benzoyl chloride at 80.degree. for 1 h to give 26.6 g I ($R_1 = Me$; $R_2\text{-}6 = H$; $R_7 = R_8 = \text{benzoyl}$; $n = m = 1$), 0.2 part of which was mixed with polypropylene 100, Ca stearate 0.05, tetrakis[methylene-3-(3,5-di-tert-butyl-4-hydroxyphenyl)propionato]methane 0.05, and tris(2,4-di-tert-butylphenyl) phosphite 0.05 part and molded to give a sheet showing 84% gloss retention after 1 wk in a Geer oven at 80.degree..

L5 ANSWER 13 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1996:379662 CAPLUS

DN 125:58510

TI Preparation of N-(piperidinoethyl)benzimidazolones and analogs as neurokinin receptor antagonists

IN De Nanteuil, Guillaume; Remond, Georges; Portevin, Bernard; Bonnet, Jacqueline; Canet, Emmanuel; Birrell, Graham

PA Adir Et Compagnie, Fr.

SO Eur. Pat. Appl., 24 pp.
CODEN: EPXXDW

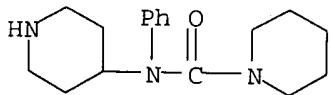
DT Patent

LA French

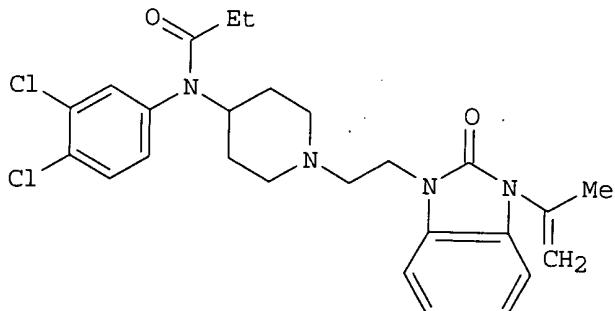
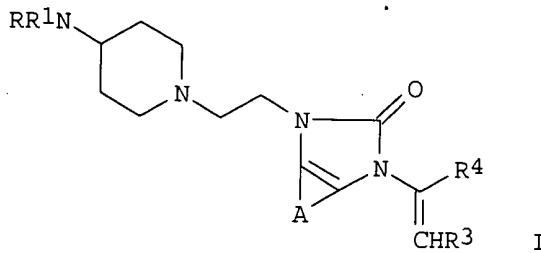
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|------------|
| PI | EP 708101 | A1 | 19960424 | EP 1995-402330 | 19951019 |
| | EP 708101 | B1 | 19981209 | | |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE | | | FR 1994-12580 | A 19941021 |
| | FR 2725986 | A1 | 19960426 | FR 1994-12580 | 19941021 |
| | FR 2725986 | B1 | 19961129 | | |
| | NO 9504151 | A | 19960422 | NO 1995-4151 | 19951018 |
| | | | | FR 1994-12580 | A 19941021 |
| | CA 2160966 | AA | 19960422 | CA 1995-2160966 | 19951019 |
| | CA 2160966 | C | 20020226 | | |

| | | | | |
|--|----|----------|----------------|------------|
| AU 9534376 | A1 | 19960502 | FR 1994-12580 | A 19941021 |
| AU 688120 | B2 | 19980305 | AU 1995-34376 | 19951019 |
| AT 174334 | E | 19981215 | FR 1994-12580 | A 19941021 |
| ES 2128013 | T3 | 19990501 | AT 1995-402330 | 19951019 |
| FI 9505024 | A | 19960422 | FR 1994-12580 | A 19941021 |
| CN 1128260 | A | 19960807 | ES 1995-402330 | 19951019 |
| CN 1043639 | B | 19990616 | FR 1994-12580 | A 19941021 |
| JP 08225570 | A2 | 19960903 | FI 1995-5024 | 19951020 |
| JP 3004574 | B2 | 20000131 | FR 1994-12580 | A 19941021 |
| US 5652246 | A | 19970729 | JP 1995-272819 | 19951020 |
| ZA 9508895 | A | 19960523 | FR 1994-12580 | A 19941021 |
| OS MARPAT 125:58510 | | | US 1995-546263 | 19951020 |
| IT 1475-05-4P | | | FR 1994-12580 | A 19941021 |
| RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent) | | | | |
| (prepn. of N-(piperidinoethyl)benzimidazolones and analogs as
neurokinin receptor antagonists) | | | | |
| RN 1475-05-4 CAPLUS | | | ZA 1995-8895 | 19951025 |
| CN 1-Piperidinecarboxamide, N-phenyl-N-4-piperidinyl- (9CI) (CA INDEX NAME) | | | FR 1994-12580 | A 19941021 |



GI



AB Title compds. [I; A = atoms to form an (un)substituted benzene, -naphthalene, or -pyridine ring; R = ZR2; R1 = alkyl, Ph, pyridyl, etc.; R2 = H, alkyl, Ph, NH2, piperidino, etc.; R3 = H or alkyl; R4 = alkyl, Ph, CF3, etc.; R3R4 = alkylene; Z = CO or SO2] were prep'd. Thus, 4-[N-propionyl(3,4-dichlorophenyl)amino]piperidine was N-alkylated by 1-(2-chloroethyl)-3-isopropenylbenzimidazolone (prepn. each given) to give title compd. II which had ED50 of 0.16mg/kg i.v. against substance P-induced plasmatic extravasation in monkeys.

L5 ANSWER 14 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1995:648089 CAPLUS

DN 123:55707

TI Preparation of hindered bis(piperidinylaminocarbonyl)benzene derivatives as photostabilizers

IN Minafuji, Mitsumasa; Seko, Toshia; Sasaki, Satoru

PA Mitsubishi Kagaku Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

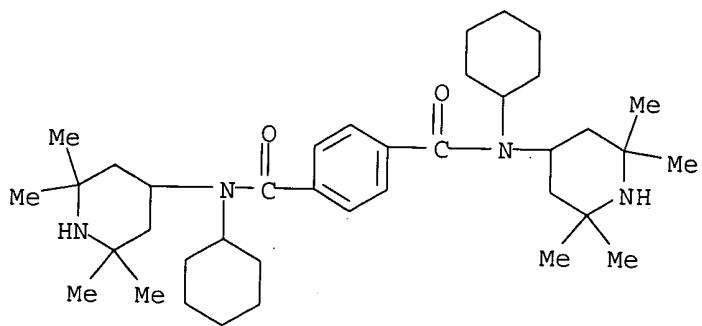
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------------|------|----------|-----------------|----------|
| PI | JP 07033738 | A2 | 19950203 | JP 1993-181691 | 19930722 |
| OS | MARPAT 123:55707 | | | JP 1993-181691 | 19930722 |

IT 164343-22-0P 164343-24-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(intermediate for prepn.. of hindered bis(piperidinylaminocarbonyl)benze ne derivs. as photostabilizers)

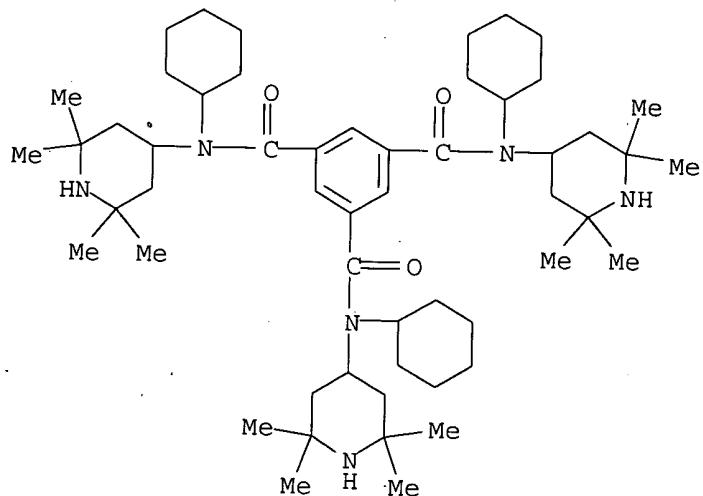
RN 164343-22-0 CAPLUS

CN 1,4-Benzenedicarboxamide, N,N'-dicyclohexyl-N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

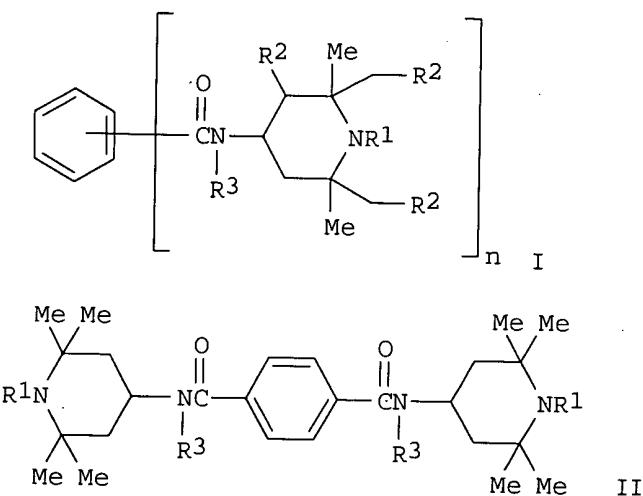


RN 164343-24-2 CAPLUS

CN 1,3,5-Benzenetricarboxamide, N,N',N''-tricyclohexyl-N,N',N''-tris(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)



GI



AB The title compds. (I; R1 = C1-4 alkyl; R2 = H, Me; R3 = C1-20 alkyl, cycloalkyl, aryl, arylalkyl; n = 1-4), which are solid photostabilizers for easy handling, and show excellent radical-scavenging capability and compatibility with resins, are prep'd. Thus, 8.5 g terephthaloyl chloride was added to a stirred mixt. of 19.1 g 4-cyclohexylamino-2,2,6,6-tetramethylpiperidine, 16.2 g Et₃N, and 300 mL 1,4-dioxane followed by stirring the mixt. at room temp. for 8 h to give a precursor (II; R1 = H, R3 = cyclohexyl), which was methylated by 37% formaldehyde and formic acid in dioxane to give a title compd. II (R1 = Me, R3 = cyclohexyl) (70% overall yield) (III). An isotactic polypropylene sheet contg. 0.2 wt. part/100 wt. part polypropylene showed photodegrdn. after irradiating it with a 65/XW-WR xenon weather meter at 80 degree. for 680 h vs. 460 h for a polypropylene sheet contg. II (R1 = R3 = H).

L5 ANSWER 15 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1994:78583 CAPLUS

DN 120:78583

TI Tetramethylpiperidine derivatives for use as stabilizers for organic materials

IN Borzatta, Valerio; Vignali, Graziano

PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.

SO Eur. Pat. Appl., 45 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------------------------|------|----------|-----------------|----------|
| PI | EP 548015 | A1 | 19930623 | EP 1992-810967 | 19921208 |
| | EP 548015 | B1 | 19960103 | | |
| | R: BE, DE, ES, FR, GB, IT, NL | | | | |
| | ES 2082434 | T3 | 19960316 | IT 1991-MI3374 | 19911217 |
| | | | | ES 1992-810967 | 19921208 |
| | US 5310767 | A | 19940510 | IT 1991-MI3374 | 19911217 |
| | | | | US 1992-988503 | 19921210 |
| | CA 2085379 | AA | 19930618 | IT 1991-MI3374 | 19911217 |
| | | | | CA 1992-2085379 | 19921215 |
| | | | | IT 1991-MI3374 | 19911217 |

BR 9205032

A 19930622

BR 1992-5032

19921216

JP 05255312

A2 19931005

IT 1991-MI3374

19911217

JP 1992-355130

19921217

IT 1991-MI3374

19911217

IT 152145-61-4P 152145-62-5P

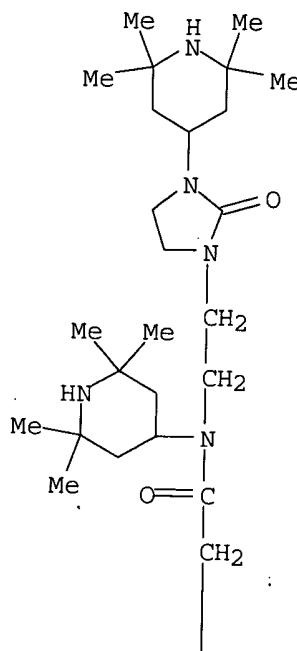
RL: PREP (Preparation)

(prepn. of, as antioxidants for org. materials)

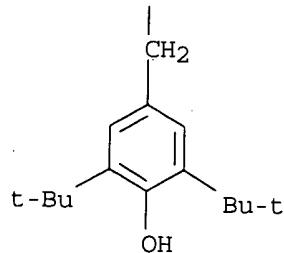
RN 152145-61-4 CAPLUS

CN Benzene propanamide, 3,5-bis(1,1-dimethyl ethyl)-4-hydroxy-N-[2-[2-oxo-3-(2,2,6,6-tetramethyl-4-piperidinyl)-1-imidazolidinyl]ethyl]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



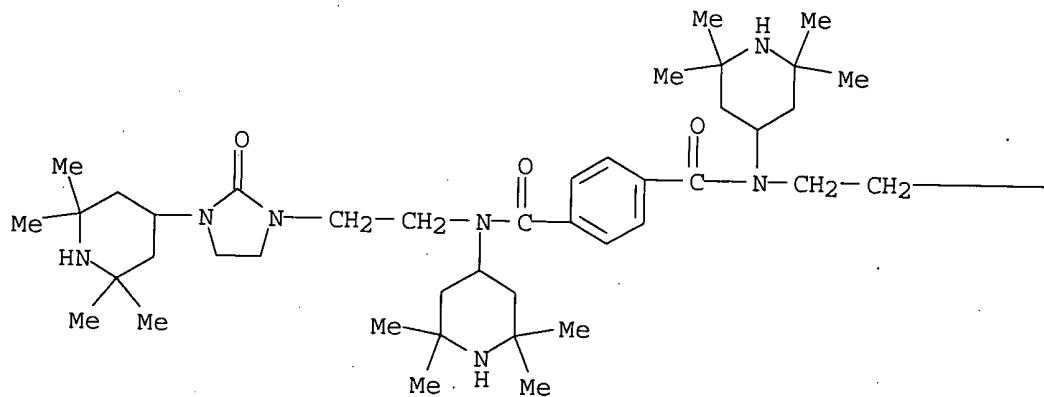
PAGE 2-A



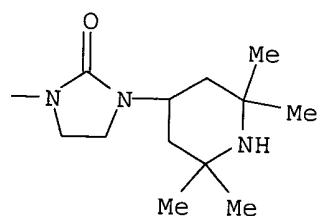
RN 152145-62-5 CAPLUS

CN 1,4-Benzene dicarboxamide, N,N'-bis[2-[2-oxo-3-(2,2,6,6-tetramethyl-4-piperidinyl)-1-imidazolidinyl]ethyl]-N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

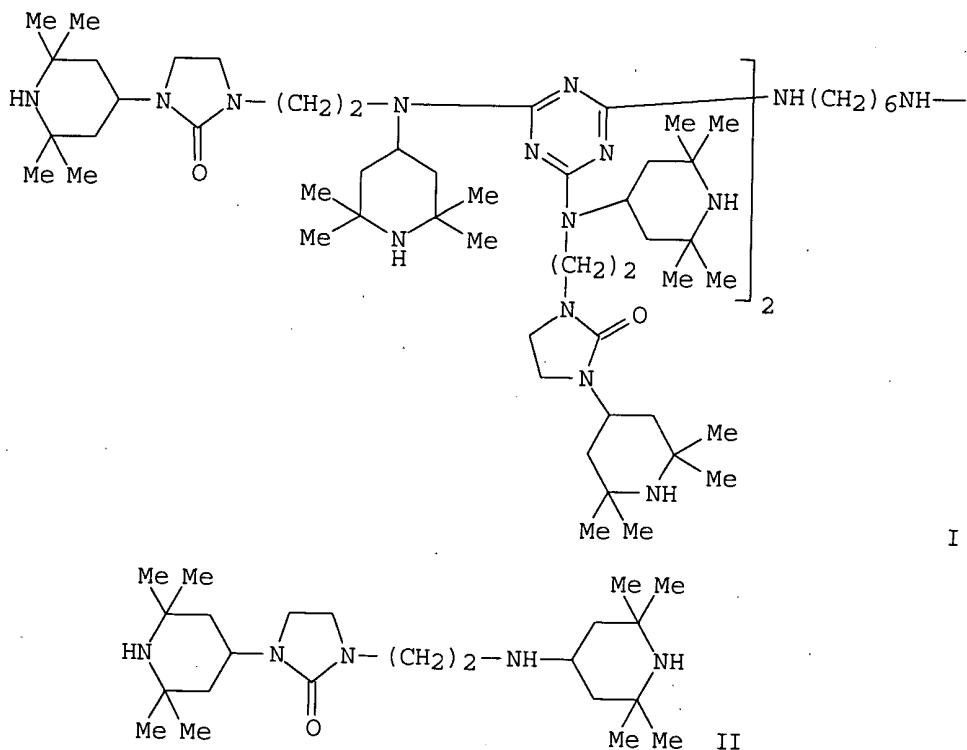
PAGE 1-A



PAGE 1-B



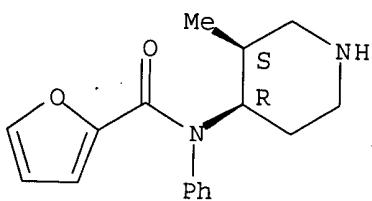
GI



AB Compds. such as I are prep'd. and used as antioxidants in org. materials. I was prep'd. from cyanuric chloride 0.1, II 0.2, and 1,6-hexanediamine 0.05 mol and used as an antioxidant in polypropene.

L5 ANSWER 16 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1990:631278 CAPLUS
 DN 113:231278
 TI Synthesis and pharmacological evaluation of a series of new 1,4-disubstituted 3-methyl-piperidine analgesics
 AU Lalinde, Nhora; Moliterni, John; Wright, Denny; Spencer, H. Kenneth;
 Ossipov, Michael H.; Spaulding, Theodore C.; Rudo, Frieda G.
 CS BOC Tech. Cent., Anaquest Pharm., Murray Hill, NJ, 07974, USA
 SO Journal of Medicinal Chemistry (1990), 33(10), 2876-82
 CODEN: JMCMAR; ISSN: 0022-2623
 DT Journal
 LA English
 OS CASREACT 113:231278
 IT 130150-28-6P 130150-29-7P 130150-32-2P
 130150-33-3P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (prepn. and alkylation of, with tetrazolyl- and thienylethyl bromides)
 RN 130150-28-6 CAPLUS
 CN 2-Furancarboxamide, N-(3-methyl-4-piperidinyl)-N-phenyl-, cis- (9CI) (CA INDEX NAME)

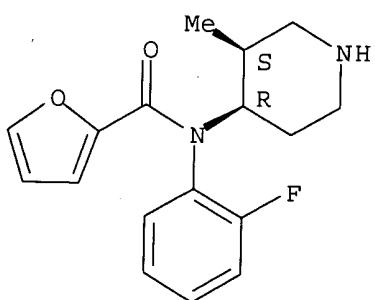
Relative stereochemistry.



RN 130150-29-7 CAPLUS

CN 2-Furancarboxamide, N-(2-fluorophenyl)-N-(3-methyl-4-piperidinyl)-, cis-
(9CI) (CA INDEX NAME)

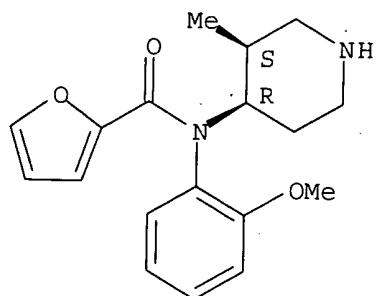
Relative stereochemistry.



RN 130150-32-2 CAPLUS

CN 2-Furancarboxamide, N-(2-methoxyphenyl)-N-(3-methyl-4-piperidinyl)-, cis-
(9CI) (CA INDEX NAME)

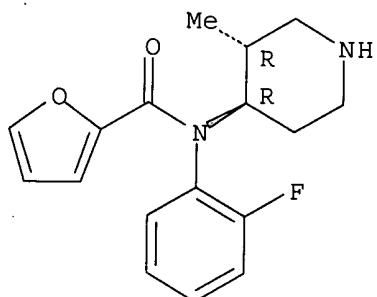
Relative stereochemistry.



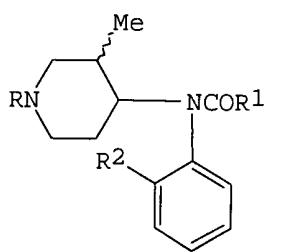
RN 130150-33-3 CAPLUS

CN 2-Furancarboxamide, N-(2-fluorophenyl)-N-(3-methyl-4-piperidinyl)-, trans-
(9CI) (CA INDEX NAME)

Relative stereochemistry.



GI



AB The synthesis and i.v. analgesic activity of a series of 3-methyl-4-(N-phenylamido)**piperidines** I [R = Ph, 2-thienyl, tetrazolyl; R1 = CH₂MeOMe, furoyl; R2 = H, OMe, Cl, F] is described. The methoxyacetamide pharmacophore produced a series of compds. with optimal analgesic potency and short duration of action. cis-I (R = 2-thienyl, R1 = CH₂OMe, R2 = F) was 13,036 times more potent than morphine and 29 times more potent than fentanyl; however, the corresponding diastereomer was only 2778 and 6 times more potent, resp. Among the many compds. that displayed exceptional analgesic activity, duration of action was one of the main factors for choosing a candidate for further pharmacol. investigation. At present, cis-I (R = tetrazolyl; R1 = CH₂OMe; R2 = F) (Anaquest, A-3331.HCl, Brifentanil) is in clin. evaluation. Opiate analgesics that possess short duration of action are excellent candidates for use during short surgical procedures in an outpatient setting where a rapid recovery is required.

L5 ANSWER 17 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1990:460650 CAPLUS

DN 113:60650

TI Substituted **piperidines** as stabilizers for organic materials

IN Cantatore, Giuseppe; Vignali, Graziano

PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.

SO Eur. Pat. Appl., 22 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| PI | EP 354184 | A2 | 19900207 | EP 1989-810574 | 19890726 |
| | EP 354184 | A3 | 19911009 | | |

EP 354184 B1 19970226
 R: DE, FR, GB, IT

| | | | | |
|-------------|----|----------|----------------|----------|
| CA 1337987 | A1 | 19960123 | IT 1988-21643 | 19880804 |
| | | | CA 1989-607283 | 19890802 |
| JP 02104574 | A2 | 19900417 | IT 1988-21643 | 19880804 |
| JP 2849829 | B2 | 19990127 | JP 1989-202722 | 19890804 |
| US 5306495 | A | 19940426 | IT 1988-21643 | 19880804 |
| | | | US 1992-846723 | 19920302 |
| | | | IT 1988-21643 | 19880804 |
| | | | US 1989-389159 | 19890802 |
| | | | US 1990-607213 | 19901030 |
| | | | US 1991-719089 | 19910620 |

OS MARPAT 113:60650

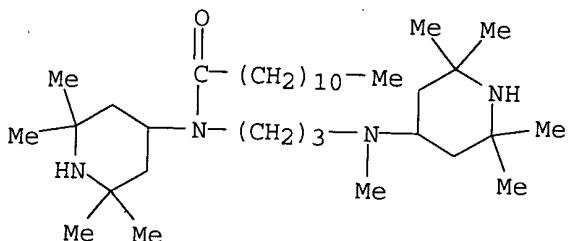
IT 128309-81-9P 128309-83-1P

RL: PREP (Preparation)

(prepn. and antioxidant activity in polymers)

RN 128309-81-9 CAPLUS

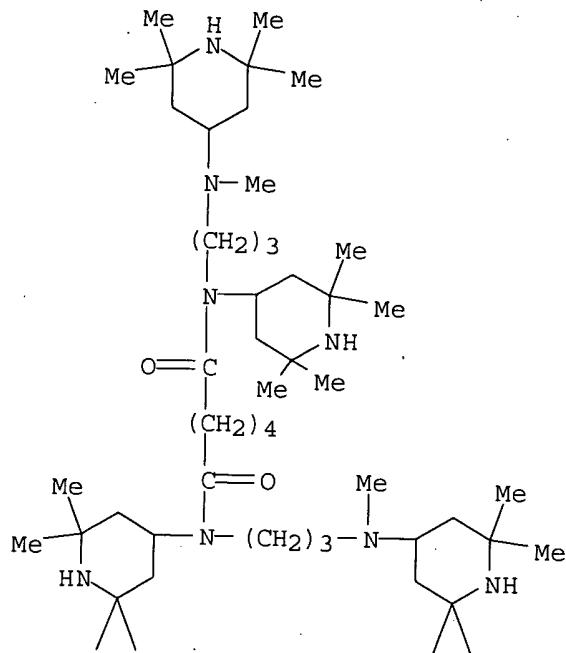
CN Dodecanamide, N-[3-[methyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]propyl]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)



RN 128309-83-1 CAPLUS

CN Hexanediamide, N,N'-bis[3-[methyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]propyl]-N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



PAGE 2-A



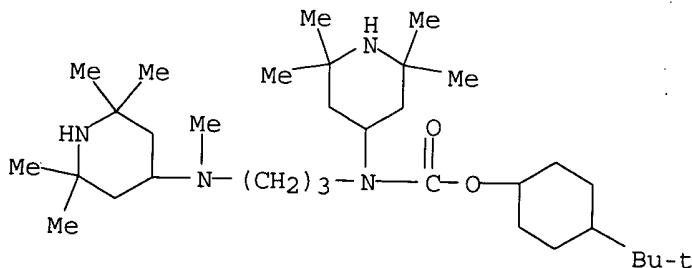
IT 128309-76-2P

RL: PREP (Preparation)

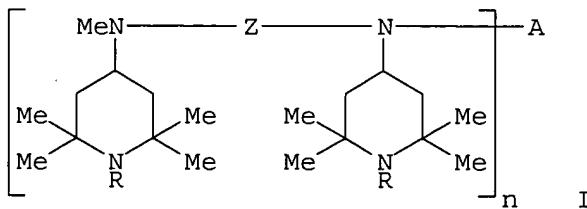
(stabilizers for polymers, manuf. of)

RN 128309-76-2 CAPLUS

CN Carbamic acid, [3-[methyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]propyl](2,2,6,6-tetramethyl-4-piperidinyl)-, 4-(1,1-dimethylethyl)cyclohexyl ester (9CI) (CA INDEX NAME)



GI



AB The title compds. I ($n = 1-4$; A = H, alkyl, alkenyl, acyl, alkylenebisoxycarbonyl, alkenylbiscarbonyl, di- or trivalent residue of s-triazine, etc.; R = H, alkyl, etc.; Z = C₂₋₁₂ alkylene) are useful as light and heat stabilizers for polymers, e.g. polyolefins. Thus, MeNH(CH₂)₃NH₂ and 2,2,6,6-tetramethyl-4-piperidone were used to prep. N-methyl-N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl)-1,3-propanediamine. Polypropylene contg. a phosphite ester, a phenolic antioxidant, Ca stearate, and 0.1% I ($n = 1$; A = COCO₂Et; R = H; Z = CH₂CH₂CH₂) (II) was stable for 2540 h in UV testing at 63.degree., vs. 500 without II.

L5 ANSWER 18 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1989:174443 CAPLUS

DN 110:174443

TI **Piperidine** compounds for use as light stabilizers, heat stabilizers and oxidation stabilizers for organic materials

IN Cantatore, Giuseppe; Borzatta, Valerio; Masina, Franca

PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.

SO Eur. Pat. Appl., 25 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------------|------|----------|-----------------|----------|
| PI | EP 290393 | A2 | 19881109 | EP 1988-810278 | 19880502 |
| | EP 290393 | A3 | 19910731 | | |
| | EP 290393 | B1 | 19950104 | | |
| | R: DE, FR, GB, IT | | | | |
| | CA 1302408 | A1 | 19920602 | IT 1987-20419 | 19870507 |
| | | | | CA 1988-565969 | 19880505 |
| | JP 63316769 | A2 | 19881226 | IT 1987-20419 | 19870507 |
| | | | | JP 1988-111378 | 19880507 |
| | US 5026749 | A | 19910625 | IT 1987-20419 | 19870507 |
| | | | | US 1990-523288 | 19900514 |
| | | | | IT 1987-20419 | 19870507 |
| | | | | US 1988-187174 | 19880428 |
| | | | | US 1989-393034 | 19890810 |

OS MARPAT 110:174443

IT 120215-34-1 120215-36-3 120215-38-5

120215-40-9 120215-41-0 120253-50-1D, polymer derivs.

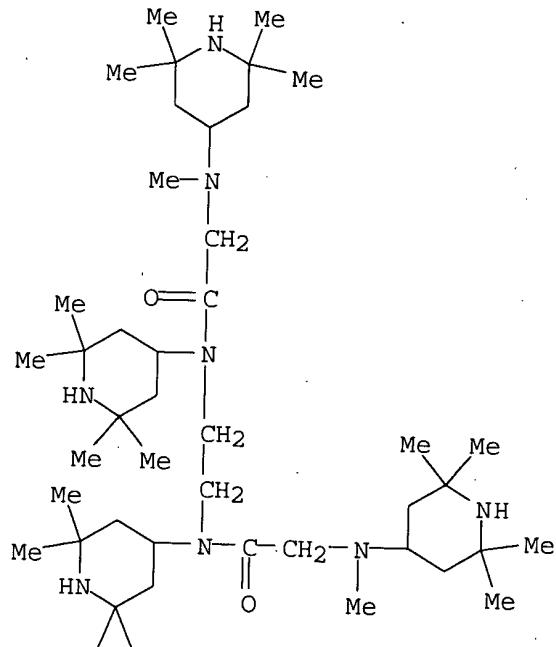
RL: USES (Uses)

(stabilizer, for polyolefin and org. compds.)

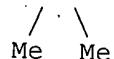
RN 120215-34-1 CAPLUS

CN Acetamide, N,N'-1,2-ethanediylbis[2-[methyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



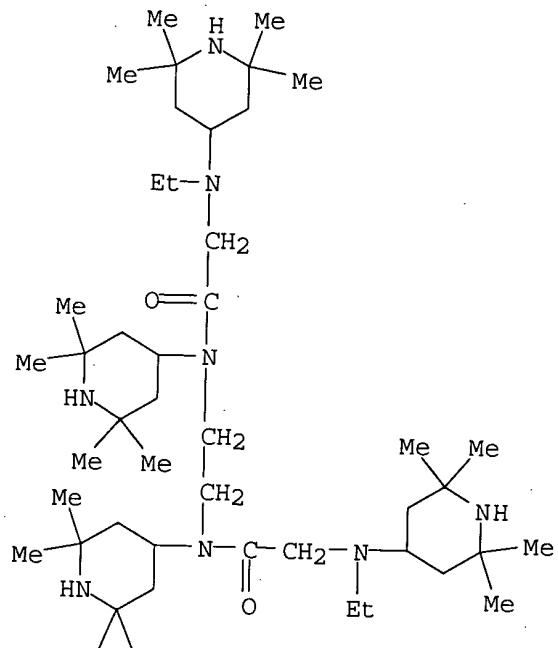
PAGE 2-A



RN 120215-36-3 CAPLUS

CN Acetamide, N,N'-1,2-ethanediylbis[2-[ethyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX
NAME)

PAGE 1-A



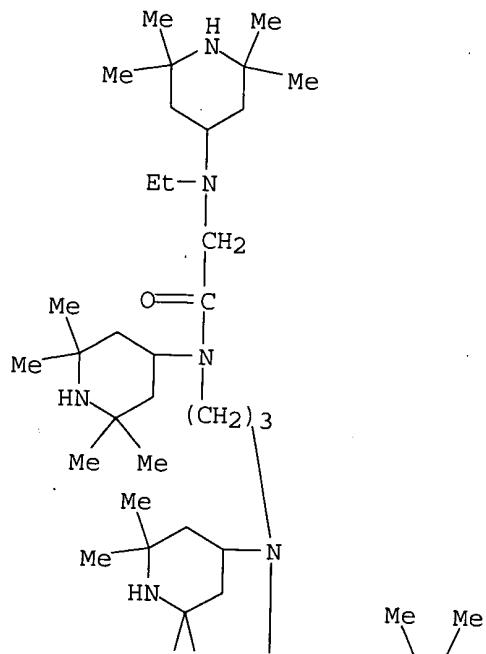
PAGE 2-A



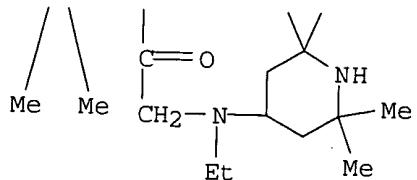
RN 120215-38-5 CAPLUS

CN Acetamide, N,N'-1,3-propanediylbis[2-[ethyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



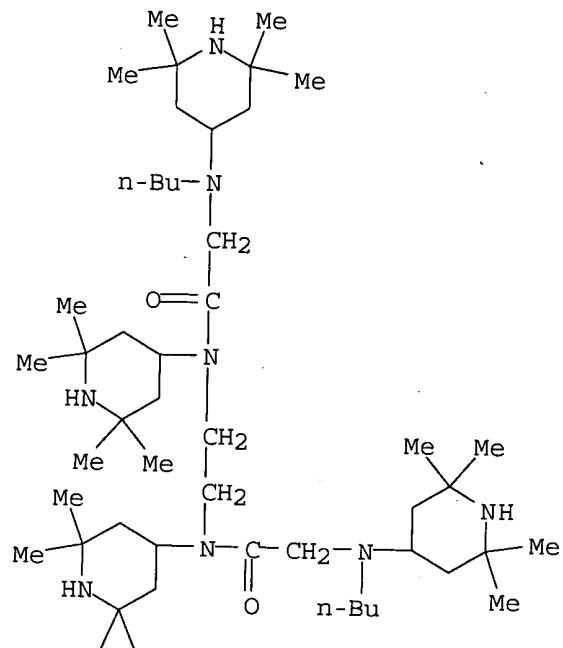
PAGE 2-A



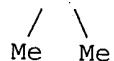
RN 120215-40-9 CAPLUS

CN Acetamide, N,N'-1,2-ethanediylbis[2-[butyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



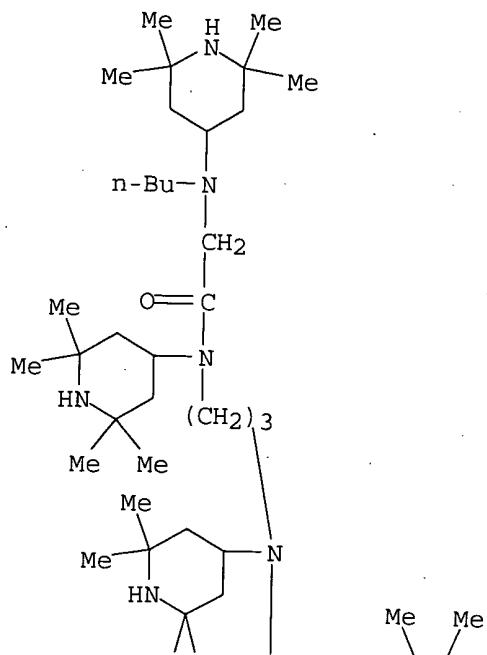
PAGE 2-A



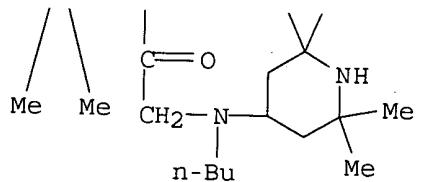
RN 120215-41-0 CAPLUS

CN Acetamide, N,N'-1,3-propanediylbis[2-[butyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

PAGE 1-A



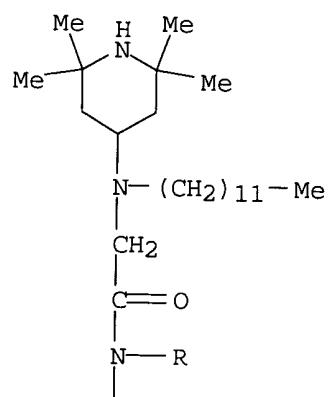
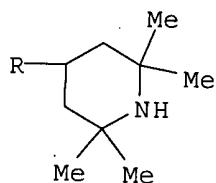
PAGE 2-A



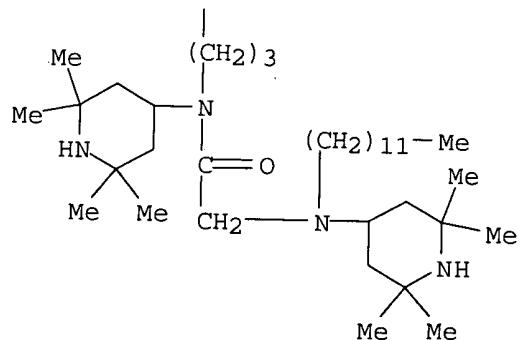
RN 120253-50-1 CAPLUS

CN Acetamide, N,N'-1,3-propanediylbis[2-[dodecyl(2,2,6,6-tetramethyl-4-piperidinyl)amino]-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

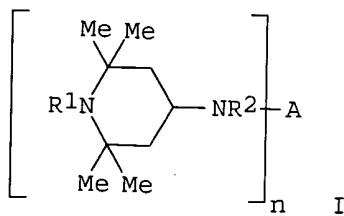
PAGE 1-A



PAGE 2-A



GI



AB Piperidinylhydrocarbylamines I (R1 = H, O, OH, NO, CH₂CN, C1-8 alkyl,

allyl, benzyl, OH-monosubstituted C2-4 alkyl; C1-18 alkyloxy or C1-8 acyl; R2 = hydrocarbyl or tetramethylpiperidinyl; n = 1 or 2, where n = 1 then A = piperidinylaminoalkylenecarbonyl deriv. and if n = 2 then A = various carbonylalkyleneaminoalkylenecarbonyl derivs.). A mixt. of polypropylene (melt index 3 g/10 min) 1000, I 1, tris(2,4-di-tert-butylphenyl)phosphite 0.5, pentaerythritol tetrakis[3,5-di-tert-butyl-4-hydroxyphenyl]propionate 0.5, and Ca stearate 1 g was extruded and blow molded to give a 50-.mu.m-thick film having time for 50% decrease in tenacity in weatherometer 2840 h, vs. 380 h without I.

L5 ANSWER 19 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1987:638031 CAPLUS
 DN 107:238031

TI **Piperidine** compounds
 IN Cantatore, Giuseppe; Borzatto, Valerio
 PA Ciba-Geigy A.-G., Switz.; Ciba-Geigy S.p.A.
 SO Eur. Pat. Appl., 34 pp.

CODEN: EPXXDW

DT Patent

LA German

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|-------------------------------------|----------------|----------------------------------|---|--|
| PI | EP 232224
EP 232224
EP 232224 | A2
A3
B1 | 19870812
19890315
19921125 | EP 1987-810052 | 19870127 |
| | R: BE, DE, FR, GB, IT | | | | |
| | CA 1283909 | A1 | 19910507 | IT 1986-19230
CA 1987-528334 | 19860130
19870128 |
| | US 4803234 | A | 19890207 | IT 1986-19230
US 1987-8220 | 19860130
19870129 |
| | JP 62215566
JP 2539613 | A2
B2 | 19870922
19961002 | IT 1986-19230
JP 1987-20352 | 19860130
19870130 |
| | US 4927925 | A | 19900522 | IT 1986-19230
US 1988-257365
IT 1986-19230 | 19860130
19881013
19860130 |
| | US 5030729 | A | 19910709 | US 1987-8220
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US 1988-257365 | 19870129
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19881013 |

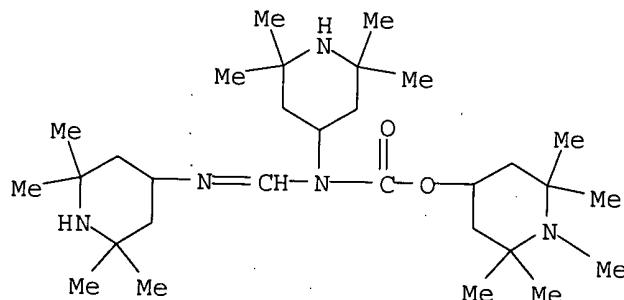
IT 111729-17-0 111729-22-7 111729-53-4

111729-54-5

RL: PEP (Physical, engineering or chemical process); PROC (Process)
 (heat and light stabilizers, for plastics)

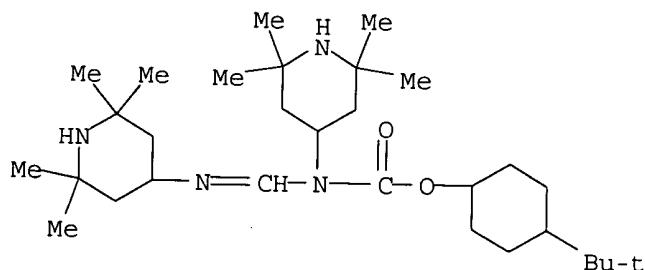
RN 111729-17-0 CAPLUS

CN Carbamic acid, (2,2,6,6-tetramethyl-4-piperidinyl)[[(2,2,6,6-tetramethyl-4-piperidinyl)imino)methyl]-, 1,2,2,6,6-pentamethyl-4-piperidinyl ester (9CI) (CA INDEX NAME)



RN 111729-22-7 CAPLUS

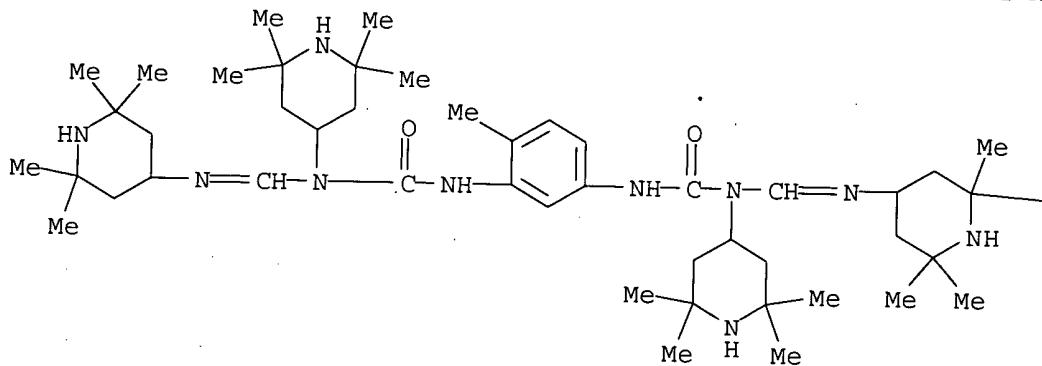
CN Carbamic acid, (2,2,6,6-tetramethyl-4-piperidinyl)[[(2,2,6,6-tetramethyl-4-piperidinyl)imino]methyl]-, 4-(1,1-dimethylethyl)cyclohexyl ester (9CI)
(CA INDEX NAME)



RN 111729-53-4 CAPLUS

CN Urea, N,N'-(4-methyl-1,3-phenylene)bis[N!-(2,2,6,6-tetramethyl-4-piperidinyl)-N'--[[(2,2,6,6-tetramethyl-4-piperidinyl)imino]methyl]- (9CI)
(CA INDEX NAME)

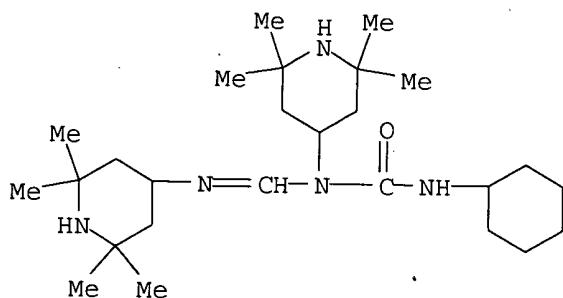
PAGE 1-A



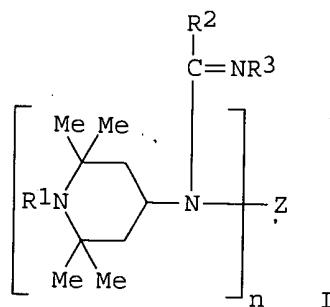
—Me

RN 111729-54-5 CAPLUS

CN Urea, N'-cyclohexyl-N-(2,2,6,6-tetramethyl-4-piperidinyl)-N-[[(2,2,6,6-tetramethyl-4-piperidinyl)imino]methyl]- (9CI) (CA INDEX NAME)



GI



AB The amidines I [R1 = H, O.bul., NO, CH₂CN, alkyl, alkenyl, alkynyl, aralkyl, glycidyl, acyl, hydroxyalkyl, dihydroxypropyl; R2 = H, (cyclo)alkyl, aryl(alkyl); R3 = aryl, tetramethylpiperidyl; Z = org. or inorg. residue; n = 1-4] are light and heat stabilizers and antioxidants for polymers. Adding 11.39 g EtOCOCl to 32.25 g N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl) formamidine [prepd. from the tetramethylpiperidinamine and HC(OEt)₃] in CH₂Cl₂ at <10.degree. and neutralizing with NaOH 5-10.degree. gave N-carbethoxy-N,N'-bis(2,2,6,6-tetramethyl-4-piperidyl) formamidine (II). Polypropylene contg. phenolic antioxidants 0.1, pigments and fillers 0.2, and II 0.1 phr required 4300 h weather-O-Meter exposure (as a 2-mm sheet) for embrittlement, vs. 500 without II.

L5 ANSWER 20 OF 34 CAPLUS COPYRIGHT 2003 ACS

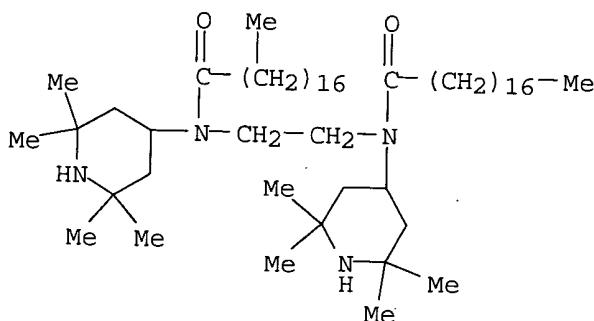
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|------------|-------------|---------------|----------|
| NL 7313683 | A 19740408 | NL 1973-13683 | 19731004 |
| FR 2202128 | A1 19740503 | JP 1972-99599 | 19721004 |
| | | FR 1973-35463 | 19731004 |
| | | JP 1972-99599 | 19721004 |

IT **52981-87-0**

RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, with formaldehyde, in manuf. of light stabilizers for
 polymers)

RN 52981-87-0 CAPLUS

CN Octadecanamide, N,N'-1,2-ethanediylbis[N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)]



AB Polypropylene (I) [9003-07-0], polyethylene, polystyrene [9003-53-6], ABS [9003-56-9], nylon 6 [25038-54-4], a polycaprolactone-based polyurethane, PVC [9002-86-2], and a polyester were stabilized against uv light by 4-aminopiperidine derivs. (79 used) of which 45 were prep'd. Thus, I contg. 0.25 phr 4-acrylamido-1,2,2,6,6-pentamethyl **piperidine** [52981-23-4] became brittle in 1,780 hr in a fadometer compared with 60 hrs for a control.

L5 ANSWER 30 OF 34 CAPLUS COPYRIGHT 2003 ACS
AN 1969:413026 CAPLUS

DN 71:13026

TI Aroylalkoyl and hydroxyaralkyl derivatives of 4-(N-aryl-N-alkanamido) **piperidines**

IN Janssen, Paul A. J.

PA N. V. Research Laboratorium Dr. C Janssen

SO Fr., 8 pp.

CODEN: FRXXAK

DT Patent

LA French

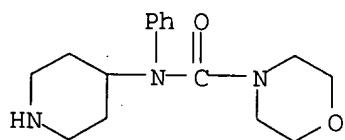
FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|------|----------|-----------------|----------|
| PI FR 1517670 | | 19680322 | | |
| IT 1475-04-3P 1475-05-4P 1506-88-3P
1605-99-8P | | | US | 19611010 |

RL: SPN (Synthetic preparation); PREP (Preparation)
 (prepn. of)

RN 1475-04-3 CAPLUS

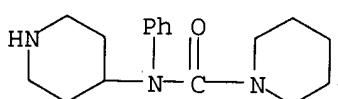
CN 4-Morpholinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



● HCl

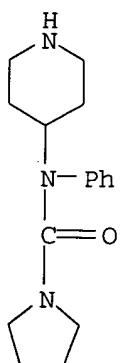
RN 1475-05-4 CAPLUS

CN 1-Piperidinecarboxamide, N-phenyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 1506-88-3 CAPLUS

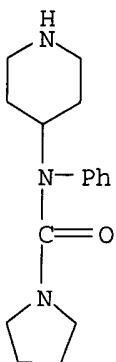
CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



HCl

RN 1605-99-8 CAPLUS

CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl- (7CI, 8CI) (CA INDEX NAME)



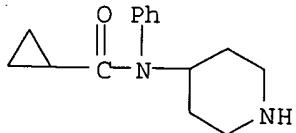
GI For diagram(s), see printed CA Issue.

AB The title compds. (I) are prep'd. in several ways. Thus, a mixt. of 95 parts 1-benzyl-4-piperidone; 60 parts PhNH₂, 800 parts PhMe and 0.05 part p-MeC₆H₄SO₃H was refluxed 15 hrs. with sepn. of H₂O to give N-(1-benzyl-4-piperidylidene)aniline (II), b0.05 170.degree.. A soln. of 26 parts II in 200 parts Et₂O was added portionwise to a suspension of 8 parts LiAlH₄ and 200 parts Et₂O and the mixt. refluxed 5 hrs. to give 1-benzyl-4-anilinopiperidine (III), m. 84.8-86.degree.. To a soln. of 19.5 parts III in 160 parts benzene was added portionwise 10 parts Ac₂O in 40 parts of benzene, and the mixt. refluxed 3 hrs. to give I (X = PhCH₂, R = Me), m. 107-9.2.degree.. Similarly prep'd. were: I (X = PhCH₂, R = Et), m. 74-6.degree.; and I (X = PhCH₂, R = Pr) (HCl salt m. 230-1.degree.). To 31 parts III in 120 parts pyridine was added dropwise 18 parts ClCO₂Et in 32 parts Et₂O to give I (X = PhCH₂, R = OEt), m. 231-3.degree.. To a soln. of 15 parts COCl₂ in 56 parts PhMe was added portionwise a soln. of 13.3 parts III in 24 parts PhMe to give I (X = PhCH₂, R = Cl); HCl salt m. 178-85.degree.. To a mixt. of 60 parts piperidine in 120 parts benzene was added portionwise 25 parts of the above HCl salt and the mixt. refluxed 3 hrs. to give I (X = PhCH₂, R = piperidyl), m. 115-16.degree.. Similarly prep'd. were: I (X = PhCH₂, R = pyrrolidyl), m. 92-5.5.degree.; I (X = PhCH₂, R = Me₂N), m. 99.8-101.degree.; and I (X = PhCH₂, R = morpholino), m. 104-6.degree.. A soln. of 16.5 parts I (X = PhCH₂, R = Me) in 160 parts iso-PrOH was hydrogenated at atm. pressure and ambient temp. over 3 parts 10% Pd on C until the calcd. amt. of H had been absorbed to give I (X = H, R = Me), m. 129-30.degree.. The following I (X = H) were similarly prep'd. (R and m.p. given): Et, 83-5.degree.; Pr, 93.4-5.8.degree.; OEt, 225-7.degree.; pyrrolidyl, 110.6-13.0.degree. (HCl salt m. 226-7.degree.); pyridyl, 101-3.degree.; morpholino, - (HCl salt m. 254-6.5.degree.); and NMe₂, - (HCl salt m. 242-6.degree.). A mixt. of 4.7 parts phenacyl bromide, 4.5 parts I (X = H, R = Et), 6 parts Na₂CO₃, 0.1 part KI, and 120 parts 4-methyl-2-pentanone was refluxed 16 hrs. to give I (X = PhCOCH₂, R = Et), m. 83-5.degree.. The following I were similarly prep'd. (X, R and m.p. given): phenacyl, Me, 122-3.degree.; phenacyl, Pr, 107-8.degree.; .alpha.-methylphenacyl, Et, - (HCl salt m. 203-8.degree.); .alpha.-ethylphenacyl, Et, 108.6-9.2.degree.; .beta.-benzoylethyl, Me, - (HCl salt m. 214-15.degree.); .beta.-benzoylethyl, Et, 150-1.degree.; 2-thenoylethyl, Et, 98-9.5.degree. (HCl salt m. 197-8.degree.). A mixt. of 3 parts styrene oxide and 4.7 parts I (X = H, R = Me) was heated 20 hrs. at 100.degree. to give I (X = .beta.-hydroxyphenethyl, R = Me) m. 125.8-8.6.degree.. The following I were similarly prep'd. (X, R, and m.p. given): .beta.-hydroxyphenethyl, Et, - (HCl salt m. 221.8-5.4.degree.); and .beta.-hydroxyphenethyl, Pr, 100-2.degree.. A mixt. of 8 parts I (X = .alpha.-ethylphenacyl, R = Et), 0.8 part NaBH₄, and 80 parts MeOH was

heated 2 hrs. at 50.degree. to give I ($X = \text{.alpha.-ethyl-.beta.-hydroxyphenethyl}$, $R = \text{Et}$), m. 149-9.6.degree.. The following I were similarly prep'd. (X , R , and m.p. given): $\beta\text{-hydroxy-\alpha-methylphenethyl}$, Et, 113.2-15.4.degree.; 3-hydroxy-3-phenylpropyl, Et, 114-18.degree.; and 2-hydroxy-2-(2-thienyl)ethyl, Et, 96-7.degree.. A mixt. of 4 parts I ($X = \beta\text{-hydroxy-\alpha-methylphenethyl}$, $R = \text{Et}$), 50 parts Ac₂O, and 50 parts benzene was refluxed 3 hrs. to give I ($X = \beta\text{-propionyloxy-\alpha-methylphenethyl}$, $R = \text{Et}$), m. 156-8.degree.. I ($X = \beta\text{-propionyloxyphenethyl}$, $R = \text{Et}$), m. 87-8.5.degree., was similarly prep'd. A mixt. of 2.5 parts styrene oxide and 5 parts I ($X = H$, $R = \text{OEt}$) was heated 20 hrs. at 100.degree. to give I ($X = \beta\text{-hydroxyphenethyl}$, $R = \text{OEt}$), m. 97-8.degree.. I ($X = \beta\text{-hydroxyphenethyl}$, $R = \text{piperidyl}$), m. 105.5-6.6.degree., and I ($X = \beta\text{-hydroxyphenethyl}$, $R = \text{pyrrolidyl}$), m. 144.2-6.2.degree., were similarly prep'd.

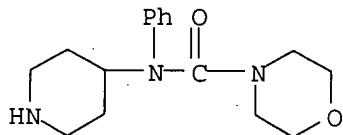
L5 ANSWER 31 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1969:115015 CAPLUS
 DN 70:115015
 TI N-(1-Alkyl-4-piperidyl)-N-arylalkanoamides
 PA N. V. Research Laboratorium Dr. C. Janssen
 SO Fr., 8 pp.
 CODEN: FRXXAK
 DT Patent
 LA French
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|----------|
| PI | FR 1517671 | | 19680322 | | |
| IT | 1432-04-8P 1475-04-3P 1475-05-4P
1506-88-3P | | | US | 19611010 |
| | RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of) | | | | |
| RN | 1432-04-8 CAPLUS | | | | |
| CN | Cyclopropanecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME) | | | | |



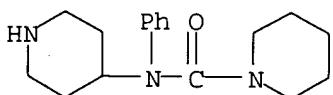
● HCl

RN 1475-04-3 CAPLUS
 CN 4-Morpholinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)

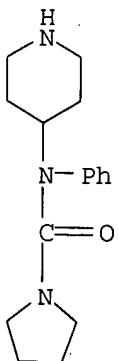


● HCl

RN 1475-05-4 CAPLUS
 CN 1-Piperidinecarboxamide, N-phenyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 1506-88-3 CAPLUS
 CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



HCl

GI For diagram(s), see printed CA Issue.
 AB N-(4-Piperidyl)-N-arylalkanoamides, which are prep'd. by the hydrogenation of the N-(1-benzyl-4-piperidyl) compds., are treated with aralkyl halides to give I, where R1 is an aralkyl group. A soln. of PhCH₂CH₂Cl 3.8 in iso-BuCOMe 24 is added to a soln. of N-(4-piperidyl)propionanilide 5, Na₂CO₃ 6.85, and KI 0.05 in iso-BuCOMe 120 parts, and the mixt. is refluxed 27 hrs. to give N-[1-(2-phenylethyl)-4-piperidyl]propionanilide, m. 83-4.degree.. Similarly prep'd. are the following I (R1 = PhCH₂CH₂) (R, R₂, R₃, m.p., and m.p. HCl salt given): Et, H, H, 83-4.degree., -; Et, p-Me, H, 136-8.degree., -; Pr, H, H, 90-1.degree., -; Et, o-Me, H, -, 194-6.degree.; Et, m-Me, H, -, 210-18.degree.; Me, m-Me, H, -, 235.5-41.degree.; Pr, H, H, -, 210-11.degree.; Et, p-MeO, H, -, 210-11.5.degree.; Et, H, Bu, -, 168-9.8.degree.; Et, H, Et, -, -; NMe₂, H, H, 115-16.degree., -; Me, m-MeO, H, 94.5-6.degree., -; OEt, H, H,

110-10.8.degree., -; OMe, H, H, -, -; OBu, H, H, -, -; Me, H, H, 96-7.degree., -; pyrrolidino (A), H, H, 133-4.degree., -; piperidino (B), H, H, 114.5-16.degree., -; morpholino (C), H, H, 99-100.degree., -; Et, m-MeO, H, -, -, (oxalate m. 178.4-9.2.degree.); cyclopropyl (D) H, H, 119.5-20.4.degree., -; and the following I (R₃, R, R₁, R₂, and m.p. given): H, Et, 2-cyclohexylethyl, H, -, HCl salt m. 204-6.degree.; H, Et, p-FC₆H₄CH₂CH₂, H, 104-5.degree.; H, Et, p-IC₆H₄CH₂-CH₂, H, -, H, Et, m-BrC₆H₄CH₂CH₂, H, -; H, Et, p-ClC₆-H₄CH₂CH₂, H, 73-4.degree.; H, Et, p-MeOC₆H₄CH₂CH₂, H, 97-8.degree.; H, Et, p-O₂NC₆H₄CH₂CH₂, H, 114-19.degree.; H, Et, 2-(2-thienyl)-ethyl, H, 62-3.degree.; H, Et, m-MeOC₆H₄CH₂CH₂, H, -; H, Et, 2-(2-furyl)ethyl, H, -, 232.5-3.5.degree.; H, Et, PhCHMeCH₂, H, -, HCl salt m. 228-9.6.degree.; H, Et, PhCH₂CHMe, H, -, HCl salt m. 272.8-3.6.degree.; H, Et, 2-(4-pyridyl)ethyl, H, 123-5.degree.; H, D, 2-cyclohexylethyl, H, 102-2.5.degree.; H, A, 2-cyclohexylethyl, H, 106-8.degree.. I (R₃ = H, R = OEt, R₁ = R₂ = H) is treated with (2-pyridyl)ethylene to give I [R₃ = H, R = OEt, R₁ = 2-(2-pyridyl)ethyl, R₂ = H], m. 82-3.2.degree.. Also prep'd., according to known methods, are the following I (R₃ = H, R₂ = H) (R, R₁, m.p., and m.p. HCl salt given): (COR is replaced by H), PhCH₂, 84.8-6.degree., -; Me, PhCH₂, 107-9.2.degree. (decompn.), -; Et, PhCH₂, 74-6.degree., -; Pr, PhCH₂, -, 230-1.degree.; D, PhCH₂, -, 255-8.degree.; OEt, PhCH₂, -, 231-3.degree.; Cl, PhCH₂, -, 178-85.degree.; B, PhCH₂, 115-16.degree., -; A, PhCH₂, 92-5.5.degree., -; C, PhCH₂, 104-6.degree., -; Et, H, 83-5.degree., -; Pr, H, 93.4-5.8.degree., -; D, H, -, 238-9.degree.; OEt, H, -, 225-7.degree. (decompn.); NMe₂, H, -, 242-6.degree.; A, H, 110.6-13.degree., 266-7.degree.; B, H, 101-3.degree., -; C, H, -, 254-6.5.degree.; the following I (COR replaced by H, R₃, R₁, R₂, m.p., and m.p. HCl salt given): H, PhCH₂, Bu, -, -, (2HCl salt m. 230.4-2.degree.); o-Me, PhCH₂, H, 103-3.8.degree., -; p-MeO, PhCH₂, H, 65-6.degree., -; m-Me, PhCH₂, H, -, -, (2HCl salt m. 254-6.5.degree.); m-MeO, PhCH₂, H, -, -, 2HCl salt m. 203.5-20.degree.; p-MeO, PhCH₂, H, -, -, 2HCl salt m. 252-65.degree.; and I (R₃, R, R₁, R₂, m.p. and m.p. HCl salt given): m-MeO, Me, PhCH₂, H, -, -; p-Me, Et, PhCH₂, H, -, 210-20.degree.; m-Me, Et, PhCH₂, H, 73.5-4.5.degree., -; H, Et, PhCH₂, Bu, -, 80-100.degree.; p-Me, Et, H, H, -, 176-7.degree.; m-MeO, Me, H, H, 110-12.8.degree., -; p-MeO, Et, H, H, -, -; and the following N-(Ar-substituted)-1-benzyl-4-piperidylideneamines (Ar and b.p./mm. given): Ph, 170.degree./-0.05; o-tolyl, 176-85.degree./0.6; m-MeOC₆H₄, 180-90.degree./0.1; p-MeOC₆H₄, 200-10.degree./0.2. I (R₃ = H, R = Et, R₁ = p-O₂NC₆H₄-CH₂CH₂, R₂ = H) is converted to the p-amino compd., m. 150-1.degree..

L5 ANSWER 32 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1965:90827 CAPLUS

DN 62:90827

OREF 62:16209b-g

TI Aroylalkyl and hydroxyarylalkyl derivatives of 4-(N-arylalkanamido)piperidines and related compounds

IN Janssen, Paul A. J.

PA N. V. Research Laboratorium, Dr. C. Janssen

SO 5 pp.

DT Patent

LA Unavailable

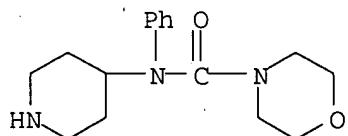
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|-------|----------|-----------------|----------|
| PI | US 3171838
GB 992732 | ----- | 19650302 | US
GB | 19611010 |
| IT | 1475-04-3, 4-Morpholinecarboxanilide, N-4-piperidyl-, | | | | |

hydrochloride **1475-05-4**, 1-Piperidinecarboxanilide,
 N-4-piperidyl- **1506-88-3**, 1-Pyrrolidinecarboxanilide,
 N-4-piperidyl-, hydrochloride **1605-99-8**, 1-
 Pyrrolidinecarboxanilide, N-4-piperidyl-
 (prep. of)

RN **1475-04-3** CAPLUS

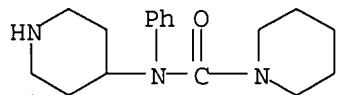
CN 4-Morpholinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA
 INDEX NAME)



● HCl

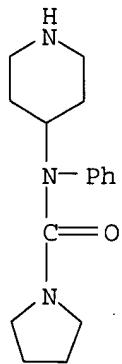
RN **1475-05-4** CAPLUS

CN 1-Piperidinecarboxamide, N-phenyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN **1506-88-3** CAPLUS

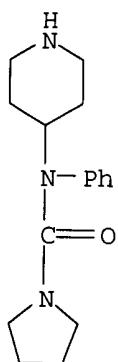
CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA
 INDEX NAME)



HCl

RN **1605-99-8** CAPLUS

CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl- (7CI, 8CI) (CA INDEX NAME)



GI For diagram(s), see printed CA Issue.

AB The title compds. were prep'd. by condensing an arylalkyl halide with a **piperidine** of the formula I (when R = H), where Ar consists of Ph or thienyl, X is CO, CH(OH), or C(O-lower alkanoyl)H, and R1 consists of lower alkyl, alkoxy, dimethylamino, morpholino, piperidino, or 1-pyrrolidinyl. The prepn. of the following compds. is described in Fr. 1,344,366 (CA 61, 3076d): N-(1-benzyl-4-piperidylidene)aniline, m. 84.8-86.degree. (petr. ether), N-(1-benzyl-4-piperidyl)acetanilide (I, R = PhCH₂, R1 = Me), m. 107-9.2.degree. (decompn.); N-(4-piperidyl)acetanilide (I, R = H, R1 = Me), m. 129-30.degree.. The following I were similarly prep'd. (R, R1, m.p., and m.p. HCl salt given): PhCH₂, Et, 74-6.degree., --; PhCH₂, Pr, --, 230-1.degree.; PhCH₂, EtO, --, 231-3.degree.; PhCH₂, MeO, --, ---; PhCH₂, Cl, --, 178-85.degree.; PhCH₂, piperidino, 115-16.degree., --; PhCH₂, pyrrolidino, 92-5.5.degree., --; PhCH₂, NMe₂, 99.8-101.degree., --; H, Et, 83-5.degree., --; H, Pr, 93.4-5.8.degree., --; H, EtO, --, 225-7.degree.; H, pyrrolidino, 110.6-13.degree., 266-7.degree.; H, piperidino, 101-3.degree., --; H, morpholino, --, 254-6.5.degree.; H, NMe₂, --, 242-6.degree.. A mixt. of 4.7 parts phenacyl bromide, 4.5 parts I (K = H, R1 = Et), 6 parts Na₂CO₃, and 0.1 part KI in 120 parts 4-methyl-2-pentanone was refluxed with stirring 16 hrs. to give N-(1-phenacyl-4-piperidyl)propionanilide (I, R = BzCH₂, R1 = Et), m. 83-4.5.degree. (Et₂O). The following I were similarly prep'd. (R, R1, m.p., and m.p. HCl salt given): BzCH₂, Me, 122-3.degree., --; BzCH₂, Pr, 107-8.degree., --; BzCHMe, Et, --, 203-8.degree.; BzCHEt, Et, 108.6-9.2.degree., --; BzCH₂CH₂, Me, --, 214-15.5.degree.; BzCH₂CH₂, Et, --, - (oxalate m. 150-1.degree.); 2-thenoylethyl, Et, 98-9.5.degree., -- (oxalate m. 197-8.degree.). A mixt. of 3 parts styrene oxide and 4.7 parts I (R = H, R1 = Me) was heated 20 hrs. at 100.degree. to give N-[(.beta.-hydroxyphenethyl)-4-piperidyl]acetanilide (I, R = PhCH(OH)CH₂, R1 = Me), m. 125.8-8.6. The following I were similarly prep'd. (R, R1, m.p., and m.p. HCl salt given): PhCH(OH)CH₂, Et, --, 221.8-5.4.degree.; PhCH(OH)CH₂, Pr, 100-2.degree., --; PhCH(OH)CH₂, EtO, 97-8.degree., --; PhCH(OH)CH₂, MeO, --, --; PhCH(OH)CH₂, piperidino, 105.5-6.6.degree., --; PhCH(OH)CH₂, NMe₂, --, --; PhCH(OH)CH₂, pyrrolidino, 144.2-46.degree., --; PhCH(OH)CH₂, morpholino, --, --. A soln. of I (R = BzCHMe, R1 = Et) (regenerated from 6.4 parts of the corresponding HCl salt) in 80 parts MeOH was reduced at room temp. with 0.37 part NaBH₄ to yield N-[1-(.beta.-hydroxy-.alpha.-methylphenethyl)-4-piperidyl]propionanilide (I, R = PhCH(OH)CHMe, R1 = Et), m. 113.2-15.4.degree.. The following I were similarly prep'd. (R, R1, and m.p. given): PhCH(OH)CHEt, Et, 149-9.6.degree.; PhCH(OH)CH₂CH₂, Et, -- (oxalate m. 114-18.degree.); 2-hydroxy-2-(2-thienyl)ethyl, Et, 96-7.degree.. An aq. soln. of 3.88

parts I ($R = PhCH(OH)CH_2$, $R_1 = Et$) was alkalinized, extd. with PhMe, the PhMe soln. dried ($MgSO_4$) and evapd. The residue in 56 parts C_6H_6 and 45 parts propionic anhydride was refluxed 5 hrs. to give N-[1-(β -propionyloxyphenethyl)-4-piperidyl]propionanilide (I, $R = PhCH(O_2C_2H_5)CH_2$, $R_1 = Et$), m. 87-8.5.degree.. I ($R = PhCH(O_2C_2H_5)CHMe$, $R_1 = Et$) oxalate, m. 56-8.degree., was similarly prep'd. The compds. have analgesic and mydriatic properties.

L5 ANSWER 33 OF 34 CAPLUS COPYRIGHT 2003 ACS

AN 1965:82455 CAPLUS

DN 62:82455

OREF 62:14634e-h,14635a-d

TI N-(1-Aralkyl-4-piperidyl)alkanoic acid anilides

IN Janssen, Paul A. J.

PA N. V. Research Laboratorium, Dr. C. Janssen

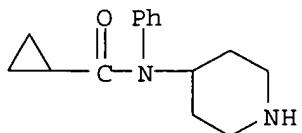
SO 27 pp.

DT Patent

LA Unavailable

FAN.CNT 1

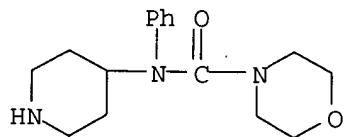
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|--------|----------|-----------------|----------|
| PI | FR M2430 | | 19640427 | FR | |
| | | | | US | 19611010 |
| IT | 1432-04-8 , Cyclopropanecarboxanilide, N-4-piperidyl-, hydrochloride 1475-04-3 , 4-Morpholinecarboxanilide, N-4-piperidyl-, hydrochloride 1475-05-4 , 1-Piperidinecarboxanilide, N-4-piperidyl- 1506-88-3 , 1-Pyrrolidinecarboxanilide, N-4-piperidyl-, hydrochloride 1605-99-8 , 1-Pyrrolidinecarboxanilide, N-4-piperidyl- (prepn. of) | | | | |
| RN | 1432-04-8 | CAPLUS | | | |
| CN | Cyclopropanecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME) | | | | |



● HCl

RN 1475-04-3 CAPLUS

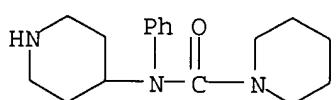
CN 4-Morpholinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



● HCl

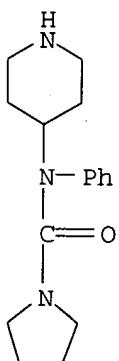
RN 1475-05-4 CAPLUS

CN 1-Piperidinecarboxamide, N-phenyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 1506-88-3 CAPLUS

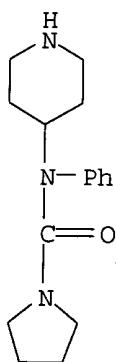
CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



HCl

RN 1605-99-8 CAPLUS

CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl- (7CI, 8CI) (CA INDEX NAME)

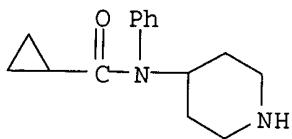


GI For diagram(s), see printed CA Issue.

AB .beta.-Arylethyl halides are treated with compds. of the general formula I ($R_1 = H$) to give compds. of the general formula II which can be used as analgesic agents. Thus, a mixt. of 95 parts 1-benzyl-4-piperidone, 60 parts PhNH_2 , 800 parts PhMe , and 0.05 part $p\text{-MeC}_6\text{H}_4\text{SOH}$ is refluxed 15 hrs. to give N-(1-benzyl-4-piperidylidene)aniline (III), m. 0.05 170.degree.. Similarly prep'd. are the following IV (X, X_1, X_2 , and b.p./mm. given): Me, H, H, 176-85.degree./0.05; H, Me, H, 190-6.degree./0.6; H, MeO , H, 180-90.degree./0.1; H, H, MeO , 200-10.degree./0.2. III (26 parts) in 200 parts ether is refluxed 5 hrs. with 8 parts LiAlH_4 in 200 parts ether to give 1-benzyl-4-anilinopiperidine (V), m. 84.8-6.degree. (petr. ether). Similarly prep'd. are the following VI ($R = H$) (X, X_1, X_2 , m.p., and m.p. 2HCl salt given): Me, H, H, 103-3.8.degree., --; H, H, MeO , 63-6.degree., --; H, Me, H, --, 254-6.5.degree.. Also prep'd. is VI ($X = X_1 = X_2 = H, R = \text{Bu}$) 2HCl salt, m. 230.4-2.degree.. V (19.5 parts) in 160 parts C_6H_6 is refluxed 2 hrs. with 10 parts Ac_2O in 40 parts C_6H_6 to give N-(1-benzyl-4-piperidyl)acetanilide (VII), m. 107-9.2.degree. (decompn.). Similarly prep'd. are the following I ($R_1 = \text{PhCH}_2$) (R, R_2, X, X_1, X_2 , m.p., and m.p. HCl salt given): Me, H, H, Me, H, 73.8-4.4.degree., --; Et, H, H, H, 74-6.degree., --; Et, H, H, H, Me, --, 210-20.degree.; Et, H, H, Me, H, 73.5-4.5.degree., --; Et, Bu, H, H, H, --, 80-100.degree.; Pr, H, H, H, H, --, 230-1.degree.; cyclopropyl, H, H, H, H, H, --, 255 $\text{PhC}-8$.degree.; EtO , H, H, H, H, --, 231-3.degree.; Cl, H, H, H, H, H, --, 178-85.degree.. A mixt. of 25 parts I ($R = \text{Cl}, R_1 = \text{PhCH}_2, R_2 = X = X_1 = X_2 = H$) HCl , 60 parts piperidine, and 120 parts C_6H_6 is refluxed 3 hrs. to give I ($R = \text{piperidino}, R_1 = \text{PhCH}_2, R_2 = X = X_1 = X_2 = H$) (R and m.p. given): pyrrolidino, 92-5.5.degree.; morpholino, 104-6.degree.. VII (16.5 parts) is hydrogenated in 160 parts EtOH in the presence of 10% Pd/C to give N-(4-piperidyl)acetanilide, m. 129-30.degree.. Similarly prep'd. is N-(4-piperidyl)propionanilide (VIII), m. 83-5.degree.. Similarly prep'd. are the following I ($R_1 = R_2 = H$) (R, X, X_1, X_2 , m.p., and m.p. HCl salt given): Pr, H, H, H, 93.4-5.8.degree., --; cyclopropyl, H, H, H, H, --, 238-9.degree.; Et, H, H, Me, --, 176-7.degree.; EtO , H, H, H, H, --, 225-7.degree. (decompn.); Me_2N , H, H, H, H, --, 242-6.degree.; pyrrolidino, H, H, H, H, 110.6-13.degree., 266-7.degree.; piperidino, H, H, H, H, 101-3.degree., --; morpholino, H, H, H, H, H, --, 254-6.5.degree.; Me, H, MeO , H, 110-12.8.degree., --; Et, H, H, MeO , H, --, --. A mixt. of 5.2 parts .beta.-cyclohexylethyl bromide, 5.9 parts VIII, 10 parts Na_2CO_3 , 0.05 part KI, and 200 parts iso- PrCH_2Ac is refluxed 36 hrs. to give N-[1-(.beta.-cyclohexylethyl)-4-piperidyl]propionanilide; HCl salt m. 204-6.degree. (Me_2CO). Similarly prep'd. are the following II ($R_1 = H$) ($\text{Ar}, R, X, X_1, X_2$, m.p., and m.p. HCl salt given): Ph, Et, H, H, H,

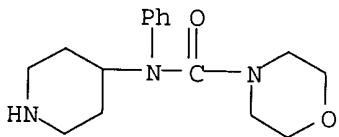
83-4.degree., --; p-FC6H4, Et, H, H, H, 104-5.degree., --; m-BrC6H4, Et, H, H, H, --, --; p-ClC6H4, Et, H, H, H, 73-4.degree., --; p-MeOC6H4, Et, H, H, H, 97-8.degree., --; p-O2NC6H4, Et, H, H, H, 114-19.degree., --; 2-thienyl, Et, H, H, H, 62-3.degree., --; Ph, Et, H, H, Me, 136-8.degree.; Ph, Pr, H, H, H, 90-1.degree., --; Ph, Et, Me, H, H, --, 194-6.degree.; Ph, Et, H, Me, H, --, 210-18.degree.; Ph, Me, H, Me, H, --, 235.5-41.degree.; Ph, Pr, H, H, H, --, 210-11.degree.; Ph, Et, H, H, Me, --, 210-11.5.degree.; 2-furyl, Et, H, H, H, --, 232.5-3.5.degree.; Ph, NMe₂, H, H, H, 115-16.degree. [(iso-Pr)2O], --; Ph, Me, H, Me, H, 94.5-6.degree., --; Ph, EtO, H, H, H, 110-10.8.degree., --; Ph, Me, H, H, H, 96-7.degree., --; Ph, pyrrolidino, H, H, H, 133-4.degree., --; Ph, piperidino, H, H, H, 114.5-16.degree., --; Ph, morpholino, H, H, H, 99-100.degree., --; cyclohexyl, cyclopropyl, H, H, H, 102-2.5.degree., --; cyclohexyl, pyrrolidino, H, H, H, 106-8.degree., --; Ph, Et, H, MeO, H, --, -- (oxalate m. 178.4-9.2.degree.); Ph, cyclopropyl, H, H, H, 119.5-20.4.degree., --. Similarly prepd. are I (R = Et, R₁ = PhCHMeCH₂, R₂ = X = X₁ = X₂ = H) HCl salt, m. 228-916.degree. (iso-PrOH); I (R = Et, R₁ = PhCH₂CHMe, R₂ = X = X₁ = X₂ = H) HCl salt, m. 272.8-3.6.degree.; II (R = Et, Ar = Ph, R₁ = Bu, X = X₁ = X₂ = H) HCl salt, m. 168-9.8.degree.; II (R = Et, Ar = Ph, R₁ = Et, X = X₁ = X₂ = H). Also prepd. are (m.p. given): II (Ar = p-H₂-NC₆H₄, R = Et, R₁ = X = X₁ = X₂ = H), 150-1.degree.; II (Ar = 2-pyridyl, R = EtO, R₁ = X = X₁ = X₂ = H), 82-3.2.degree. [(iso-Pr)2O]; II (Ar = 4-pyridyl, R = Et, R₁ = X = X₁ = X₂ = H), 123-5.degree..

L5 ANSWER 34 OF 34 CAPLUS COPYRIGHT 2003 ACS
 AN 1964:418186 CAPLUS
 DN 61:18186
 OREF 61:3076d-h,3077a-e
 TI 1-(.gamma.-Aroylpropyl)-4-(N-arylacylamino)piperidines
 IN Janssen, Paul A. J.
 PA N. V. Research Laboratorium, Dr. C. Janssen
 SO 22 pp.
 DT Patent
 LA Unavailable
 PATENT NO. KIND DATE APPLICATION NO. DATE
 ----- ----- ----- -----
 PI FR 1344366 19631129 FR US 19611010
 BE 623427 BE
 FR M2429 FR
 FR M2431 FR
 GB 976226 GB
 US 3161637 1964 US
 US 3164600 1965 US
 IT 1432-04-8, Cyclopropanecarboxanilide, N-4-piperidyl-, hydrochloride 1475-04-3, 4-Morpholinecarboxanilide, N-4-piperidyl-, hydrochloride 1475-05-4, 1-Piperidinecarboxanilide, N-4-piperidyl- 1605-99-8, 1-Pyrrolidinecarboxanilide, N-4-piperidyl- 98980-18-8, Piperidine, 4-(N-phenylbenzamido)-, hydrochloride 106506-21-2, Cyclopropanecarboxy-o-toluidide, N-4-piperidyl- (prepn. of)
 RN 1432-04-8 CAPLUS
 CN Cyclopropanecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)



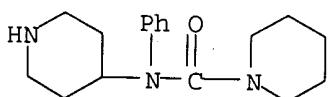
● HCl

RN 1475-04-3 CAPLUS
 CN 4-Morpholinecarboxanilide, N-4-piperidyl-, monohydrochloride (8CI) (CA INDEX NAME)

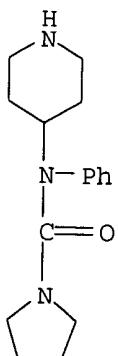


● HCl

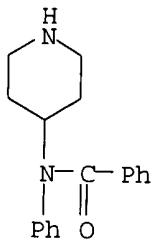
RN 1475-05-4 CAPLUS
 CN 1-Piperidinecarboxamide, N-phenyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 1605-99-8 CAPLUS
 CN 1-Pyrrolidinecarboxanilide, N-4-piperidyl- (7CI, 8CI) (CA INDEX NAME)



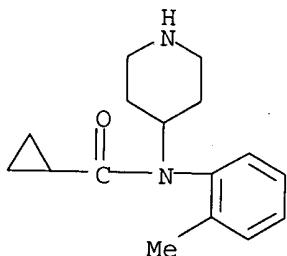
RN 98980-18-8 CAPLUS
 CN Benzamide, N-phenyl-N-4-piperidinyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

RN 106506-21-2 CAPLUS

CN Cyclopropanecarboxy-o-toluidide, N-4-piperidyl- (7CI) (CA INDEX NAME)



GI For diagram(s), see printed CA Issue.

AB 4-(N-Arylacylamino)piperidines are treated with compds.

ArCO(CH₂)₃X, where Ar is a hydrocarbon or heterocyclic aryl group and X is a halogen, to give the title compds. Thus, a mixt. of 95 parts 1-benzyl-4-piperidone, 60 parts PhNH₂, 800 parts PhMe, and 0.05 part 4-MeC₆H₄SO₃H is refluxed 15 hrs. to give N-(1-benzyl-4-piperidylidene)aniline (I), b0.05 170.degree.. A soln. of 26 parts I in 200 parts ether is added to a suspension of 8 parts LiAlH₄ in 200 parts ether and the mixt. is refluxed 5 hrs. to give 1-benzyl-4-anilinopiperidine (II), m. 84.6-6.degree. (petr. ether). A soln. of 10 parts Ac₂O in 40 parts C₆H₆ is added to a soln. of 19.5 parts II in 160 parts C₆H₆ and the mixt. is refluxed 3 hrs. to give N-(1-benzyl-4-piperidyl)acetanilide (III), m. 107-9.2.degree. (decompn.). A soln. of III in EtOH is hydrogenated in the presence of 10% Pd-C to give N-(4-piperidyl)acetanilide (IV), m. 129-30.degree.. A soln. of 6 parts 4-FC₆H₄CO(CH₂)₃Cl in 120 parts iso-BuAc is added to a mixt. of 5 parts IV, 7 parts Na₂CO₃, 0.1 part KI, and 80 parts iso-BuAc and the mixt. is refluxed 36 hrs. to give N-[1-[(4-fluorobenzoyl)propyl]4-piperidyl]acetanilide, m. 102-4.degree. [(iso-Pr)₂O]. Similarly prep'd. are the following V (Ar = 4-FC₆H₄: R, R₁, R₂, m.p.; Et, H, H, 79.6-81.degree.; Pr, H, H, 95-5.6.degree.; cyclopropyl, H, H, 109-10.degree.; Me, Me, H, 117.5-19.degree.; Me, H, Me, 106.5-7.5.degree.; Et, Me, H, 79.5-81.5.degree.; Et, H, Me, 80-4.degree.; Pr, Me, H (1), 175-7.degree.; Pr, H, Me, 87-7.8.degree.; Bu, Me, H, 69-71.degree.; Et, MeO, H, 87-8.5.degree.; Me, MeO, H, 120.4-2.degree.; cyclopropyl, Me, H, 139-44.degree.; Ph, H, H (2), -; EtO, H, H, 92.8-4.2.degree. (decompn.);

piperidino, H, H, 95-8.degree.; morpholino, H, H, 103.2-8.2.degree. (decompn); NMe₂, H, H, 82-3.5.degree.; pyrrolidino, H, H, 167-8.degree.; piperidino, H, H, 99-9.8.degree.; (1) oxalate m. 126.5-8.degree.; (2) HCl salts m. 209-13.degree.; Almost all compds. recrystd. from (iso-Pr)2O.; also prepd. were the following V: Ar, R, R₁, R₂, m.p.; Ph, Et, H, H, 73-4.degree.; 2-thienyl, Et, H, H, 100-1.5.degree.; 4-ClC₆H₄, Me, H, H, 99.8-101.6.degree.; 4-ClC₆H₄, Et, H, H, 103.5-4.degree.; p-tolyl, Me, H, H, 78-9.5.degree.; p-tolyl, Et, H, H, 81.2-1.6.degree.; 4-MeOC₆H₄, Me, H, H (1), --; 4-MeOC₆H₄, Et, H, H, 175-8.5.degree.; (1) HCl salt m. 237-9.degree.. Also prepd. are the following intermediates VI (R, R', and b.p./mm. given): Me, H, 176-85.degree./0.05; H, Me, 180-90.degree./0.5; MeO, H, 204.degree./1.5; H, MeO, 200-10.degree./0.02. The following VII were prepd. (R, R', and m.p. given): Me, H, 103-3.8.degree.; H, Me, 95.8-6.8.degree.; MeO, H, 91-3.degree.; H, MeO, 65-6.degree. (2HCl salt m. 252-65.degree.). Compds. of formula VIII (R = PhCH₂) are tabulated: R₁, R₂, R₃, m.p.; Me, Me, H, 78.5-9.2.degree.; Me, H, Me, 114-15.degree.; Me, MeO, H, 132-6.degree.; Et, MeO, H, 70-3.4.degree. (decompn.); Et, H, H, 74-6.degree.; Et, H, Me, 111-12.degree.; Et, H, MeO (1), --; Pr, H, H (2), --; Pr, Me, H (3), --; Pr, H, Me (4), --; cyclopropyl, Me, H, 123-4.degree.; Bu, Me, H (5), --; cyclopropyl, H, H (6), --; Ph, H, H, 108-11.degree.; EtO, H, H (7), --; Cl, H, H (8), --; Cl, Me, H (9), --; piperidino, H, H, 115-16.degree.; pyrrolidino, H, H, 92-5.5.degree.; NMe₂, H, H, 99.8-101.degree.; morpholino, H, H, 104-6.degree.; HCl salt m.ps. are (1) 210-20.degree., (2) 230-1.degree., (3) 174-5.degree., (4) 236-8.degree., (5) 164-7.degree. (6) 255-8.degree., (7) 231-3.degree., (8) 178-85.degree., (9) 195-8.degree.. Compds. of the formula VIII (R = H) are tabulated: R₁, R₂, R₃, m.p., m.p. HCl salt; Me, Me, H, 113.5-14.5.degree., --; Et, H, H, 83-5.degree., --; Pr, H, H, 93.4-5.8.degree., --; Ph, H, H, --, 207-10.degree.; cyclopropyl, H, H, --, 238-9.degree.; cyclopropyl, Me, H, 83-5.degree. --; Me, H, Me, 119-21.degree., --; Et, H, Me, --, 176-7.degree.; Pr, H, Me, --, 196-7.5.degree.; Bu, Me, H, --, 129-30.5.degree.; Me, MeO, H, 141-4.5.degree., --; EtO, H, H, --, 225-7.degree. (decompn.); pyrrolidino, H, H, 110.6-13.degree., 266-7.degree.; piperidino, H, H, 101-3.degree., --; morpholino, H, H, --, 254-6.5.degree.; NMe₂, H, H, --, 242-6.degree.,

=> d 16 fbib hitstr abs total

L6 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:964347 CAPLUS
 DN 138:24638
 TI Preparation of thiophenecarboxylic acids and methods for the treatment or prevention of flaviviridae infections such as hepatitis C
 IN Chan, Chun Kong Laval; Bedard, Jean; Das, Sanjoy Kumar; Nguyen Ba, Nghe; Pereira, Oswy Z.; Reddy, Thumkunta Jagadeeswar; Siddiqui, M. Arshad; Wang, Wuyi; Yannopoulos, Constantin
 PA Shire Biochem Inc., Can.
 SO PCT Int. Appl., 314 pp.

CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | WO 2002100851 | A2 | 20021219 | WO 2002-CA876 | 20020611 |
| | WO 2002100851 | A3 | 20030227 | | |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,

CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
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US 2001-296731PP 20010611

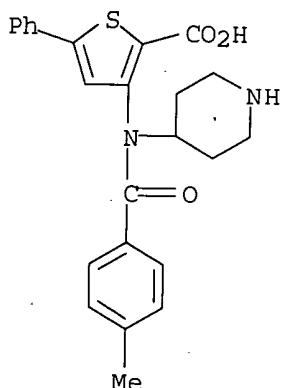
OS MARPAT 138:24638

IT **478025-80-8P**, 3-[(4-Methylbenzoyl)piperidin-4-ylamino]-5-phenylthiophene-2-carboxylic acid monohydrochloride

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (drug candidate; prepn. of thiophenecarboxylic acids and methods for treatment or prevention of flaviviridae infections such as hepatitis C)

RN 478025-80-8 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[(4-methylbenzoyl)-4-piperidinylamino]-5-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



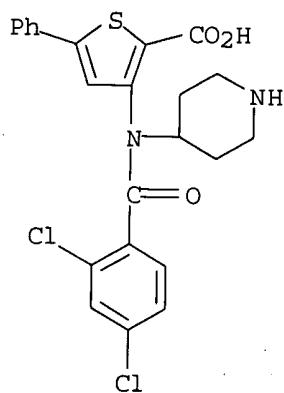
• HCl

IT **478025-82-0P**, 3-[(2,4-Dichlorobenzoyl)piperidin-4-ylamino]-5-phenylthiophene-2-carboxylic acid monohydrochloride **478027-54-2P**, 3-[(2,4-Dichlorobenzoyl)(3-methylpiperidin-4-yl)amino]-5-phenylthiophene-2-carboxylic acid mono(trifluoroacetate) **478027-89-3P**, 3-[(4-Methylcyclohexylcarbonyl)piperidin-4-ylamino]-5-phenylthiophene-2-carboxylic acid

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; prepn. of thiophenecarboxylic acids and methods for treatment or prevention of flaviviridae infections such as hepatitis C)

RN 478025-82-0 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[(2,4-dichlorobenzoyl)-4-piperidinylamino]-5-phenyl-, monohydrochloride (9CI) (CA INDEX NAME)



● HCl

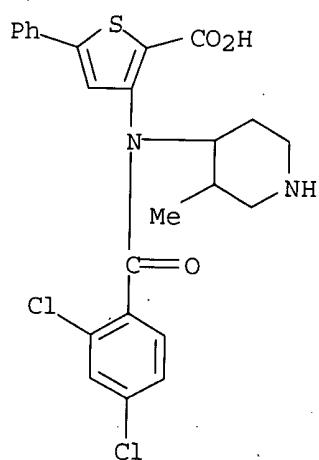
RN 478027-54-2 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[(2,4-dichlorobenzoyl)(3-methyl-4-piperidinyl)amino]-5-phenyl-, mono(trifluoroacetate) (9CI) (CA INDEX NAME)

CM 1

CRN 478027-53-1

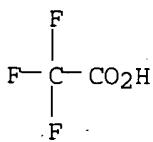
CMF C24 H22 Cl12 N2 O3 S



CM 2

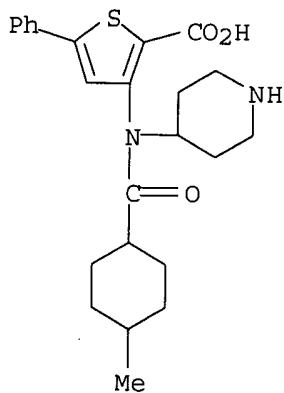
CRN 76-05-1

CMF C2 H F3 O2



RN 478027-89-3 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[[[(4-methylcyclohexyl)carbonyl]-4-piperidinylamino]-5-phenyl- (9CI) (CA INDEX NAME)



IT 478027-22-4P, 3-[(4-Methylcyclohexylcarbonyl)(piperidin-4-

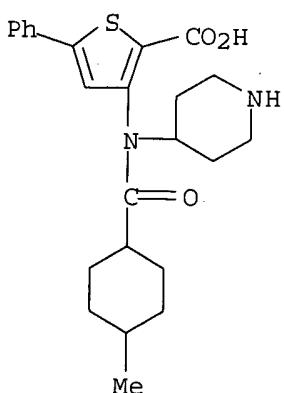
yl)amino]-5-phenylthiophene-2-carboxylic acid lithium salt

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(drug candidate; prepn. of thiophenecarboxylic acids and methods for treatment or prevention of flaviviridae infections such as hepatitis C)

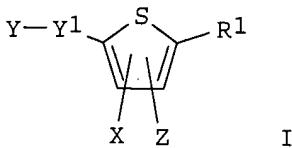
RN 478027-22-4 CAPLUS

CN 2-Thiophenecarboxylic acid, 3-[[[(4-methylcyclohexyl)carbonyl]-4-piperidinylamino]-5-phenyl-, monolithium salt (9CI) (CA INDEX NAME)



Li

GI

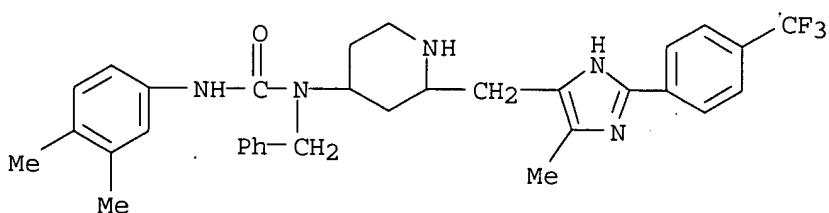


AB The present invention provides novel thiophenes (shown as I; variables defined below; e.g. 3-[(2-chlorophenylsulfonyl)amino]-5-phenylthiophene-2-carboxylic acid) or pharmaceutically acceptable salts thereof useful for treating flaviviridae viral infection. For I: X = -NR₃MR₂, -JNR₂R₃; M = -SO₂-, -S(O)-, -S-, -C(O)-, -C(S)-, -C(O)NR₄-, -C(S)NR₁₅-, -CHR₁₅-, -C(:NR₈)-, a bond; R₄ is C₁-6 alkyl; R₈ = H, C₁-12 alkyl, C₂-12 alkenyl, C₂-12 alkynyl, C₆-14 aryl, C₃-12 **heterocycle**, C₃-12 heteroaralkyl, C₆-16 aralkyl; and R₁₅ = H or C₁-6 alkyl; J = -C(:W)-, -CHR₆-, -S-, -S(O)-, -SO₂-; W = O, S or NR₇, wherein R₇ = H, C₁-12 alkyl, C₂-12 alkenyl, C₂-12 alkynyl, C₆-14 aryl, C₃-12 **heterocycle**, C₃-12 heteroaralkyl, C₆-16 aralkyl; and R₆ = H, C₁-12 alkyl, C₆-14 aryl or C₆-16 aralkyl. Y₁ = a bond, C₁-6 alkyl, C₂-6 alkenyl or C₂-6 alkynyl; Y = COOR₁₆, COCOOR₅, P(O)OR_aOR_b, S(O)OR₅, S(O)2OR₅, tetrazole, CON(R₉)CH(R₅)COOR₅, CONR₁₀R₁₁, CON(R₉)SO₂R₅, CONR₉OH or halogen, wherein R₉, R₅, R₁₀ and R₁₁ = H, C₁-12 alkyl, C₂-12 alkenyl, C₂-12 alkynyl, C₃-12 **heterocycle**, C₃-18 heteroaralkyl, C₆-18 aralkyl; or R₁₀ and R₁₁ are taken together with the N to form a 3-10 membered **heterocycle**; Ra and Rb = H, C₁-12 alkyl, C₂-12 alkenyl, C₂-12 alkynyl, C₆-14 aryl, C₃-12 **heterocycle**, C₃-18 heteroaralkyl and C₆-18 aralkyl; or Ra and Rb are taken together with the oxygens to form a 5-10 membered **heterocycle**. R₁₆ = H, C₁-12 alkyl, C₂-12 alkenyl, C₂-12 alkynyl, C₆-14 aryl, C₃-12 **heterocycle**, C₃-18 heteroaralkyl and C₆-18 aralkyl; provided that R₁₆ is other than Me or Et; R₁ = C₂-12 alkyl, C₂-12 alkenyl, C₂-12 alkynyl, C₆-14 aryl, C₃-12 **heterocycle**, C₃-18 heteroaralkyl or C₆-18 aralkyl; R₂ = C₂-12 alkyl, C₂-12 alkenyl, C₆-14 aryl, C₃-12 **heterocycle**, C₃-18 heteroaralkyl, or C₆-18 aralkyl; R₃ = H, C₁-12 alkyl, C₂-12 alkenyl, C₂-12 alkynyl, C₆-14 aryl, C₃-12 **heterocycle**, C₃-18 heteroaralkyl or C₆-18 aralkyl; Z = H, halogen, C₁-6 alkyl; with provisos. Twenty-five example preps. of I are included. For example, 3-[(2-chlorophenylsulfonyl)amino]-5-phenylthiophene-2-carboxylic acid was prep'd. by adding 1 N aq. soln. of LiOH·H₂O (64.378 mmol) to a suspension of 3-amino-5-phenylthiophene-2-carboxylic acid Me ester (21.459 mmol) in a mixt. of THF:MeOH:H₂O (3:2:1, 75 mL) and stirring at 85.degree. (external temp.) for 4 h. Solvents were removed under reduced pressure and the residue was partitioned between H₂O and EtOAc. The H₂O layer was sepd. and acidified with 1 N HCl soln. and then EtOAc was added to it. The formed intermediate 3-amino-5-phenylthiophene-2-carboxylic acid (4.15 g, 88%; 0.457 mmol) was taken in a mixt. of dioxane and H₂O (1:1, 25 mL) and then Na carbonate (2.285 mmol) and 1-chlorophenylsulfonyl chloride (1.369 mmol) were added. The reaction mixt. was stirred at room temp. for 12 h and eventually 69% of 3-[(2-chlorophenylsulfonyl)amino]-5-phenylthiophene-2-carboxylic acid was obtained. Results of evaluation of .apprx.580 I in the hepatitis C virus (HCV) RNA-dependent RNA polymerase and/or anti-helicase assays are tabulated.

=> d 17 fbib hitstr abs total

L7 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:777922 CAPLUS
 DN 137:279193
 TI Preparation of imidazolylalkyl-aminopiperidines as HIV inhibitors
 IN Edlin, Christopher David; Redshaw, Sally; Smith, Ian Edward David; Walter, Daryl Simon
 PA F. Hoffmann-La Roche A.-G., Switz.
 SO PCT Int. Appl., 179 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|--|----------|-----------------|------------|
| PI | WO 2002079186 | A2 | 20021010 | WO 2002-EP3193 | 20020321 |
| | WO 2002079186 | A3 | 20030501 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
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| | | | | GB 2001-8099 | A 20010330 |
| | US 2003069276 | A1 | 20030410 | US 2002-104117 | 20020322 |
| | | | | GB 2001-8099 | A 20010330 |
| OS | MARPAT 137:279193 | | | | |
| IT | 466665-20-3P , 1-Benzyl-1-[2-[2-[4-(trifluoromethyl)phenyl]-5-methyl-1H-imidazol-4-yl]methyl]-4-piperidinyl]-3-(3,4-dimethylphenyl)urea
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(HIV inhibitor; prepn. of imidazolylalkyl-aminopiperidines as HIV inhibitors) | | | | |
| RN | 466665-20-3 CAPLUS | | | | |
| CN | Urea, N'-(3,4-dimethylphenyl)-N-[2-[5-methyl-2-[4-(trifluoromethyl)phenyl]-1H-imidazol-4-yl]methyl]-4-piperidinyl]-N-(phenylmethyl)-(9CI) (CA INDEX NAME) | | | | |

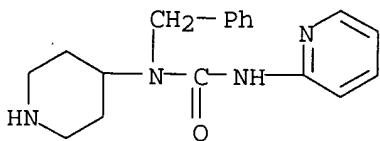


IT **466663-48-9P**, 1-Benzyl-1-piperidin-4-yl-3-pyridin-2-ylurea
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

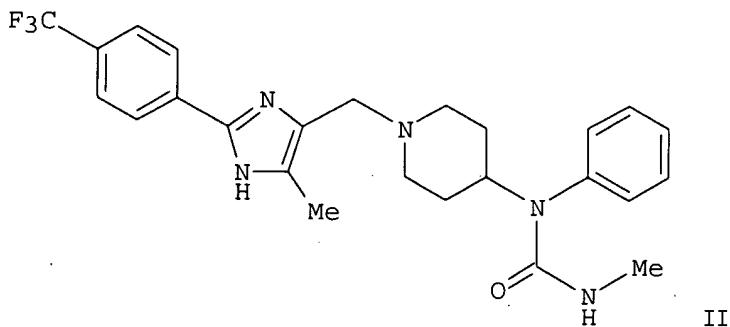
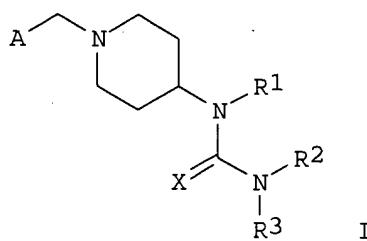
(intermediate; prepn. of imidazolylalkyl-aminopiperidines as HIV
inhibitors)

RN 466663-48-9 CAPLUS

CN Urea, N-(phenylmethyl)-N-4-piperidinyl-N'-2-pyridinyl- (9CI) (CA INDEX
NAME)



GI



AB Title compds. I [R1 = H, alkyl, **cycloalkyl**, allyl, aryl, heterocyclyl; R2-3 = H, alkyl, **cycloalkyl**, allyl, aryl, heterocyclyl; X = S, O; A = imidazolyl] were prep'd. For instance, N-tert-butoxycarbonyl-4-piperidone was used to alkylate aniline (CH₂Cl₂, HOAc, NaHB(OAc)₃), the product converted to the corresponding carbamoyl chloride (CH₂Cl₂/PhMe, NaHCO₃, Cl₂CO) which was reacted with methylamine to give the urea intermediate. This was deprotected and the resulting **piperidine** alkylated with 5-methyl-2-(4-trifluoromethylphenyl)-1H-imidazole-4-carboxaldehyde (CH₂Cl₂, NaHB(OAc)₃) to afford II. In the gp120-sCD4-CCR5 binding assay, compds. of the invention had IC₅₀ of about 0.5 to about 1500 nM. Compds. I prevent the human immunodeficiency virus (HIV) from entering cells by blocking interaction of the viral envelope

protein gp120 with a chemokine receptor on the cell surface. I are useful for the treatment of diseases mediated by the human immunodeficiency virus (HIV), either alone or in combination with other inhibitors of HIV viral replication or with pharmacoenhancers.

L7 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS
AN 2002:240729 CAPLUS
DN 136:279344
TI Preparation of substituted amino-aza-cycloalkanes as anti-malarial agents
IN Boss, Christoph; Fischli, Walter; Meyer, Solange; Richard-Bildstein,
Sylvia; Weller, Thomas
PA Actelion Pharmaceuticals Ltd., Switz.
SO PCT Int: Appl., 72 pp.
COPEN RIXXPD

CODEN: DT Patent LA English

LA English

FAN.CNT 1

PATENT NO.

PATENT NO. KIND DATE APPLICATION NO. DATE

PI WO 2002024649 A1 20020328 WO 2001-EP10272 20010906
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PH, PL,
PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,
US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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WO 2000-EP9328 W 20000925

AU 2001091830 A5 20020402 AU 2001-91830 20010906

WO 2000-EP9328 A 20000925

WO 2001-EP10272W 20010906

NO 2003001331 A 20030324 NO 2003-1331 20030324

WO 2000-EP9328 A 20000925

OS MARPAT 136:378314

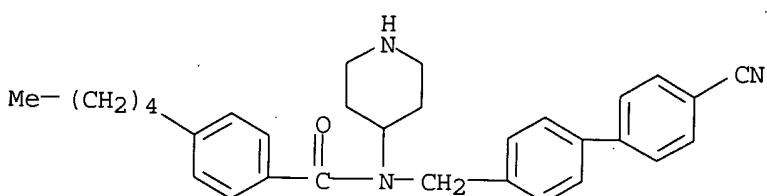
US MARPAT 136:
IT 105514 21 3

405514-84-3 RI: RCT (Reactant); RACT (Reactant)

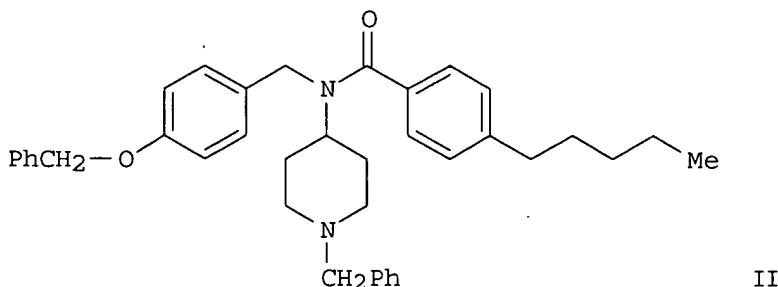
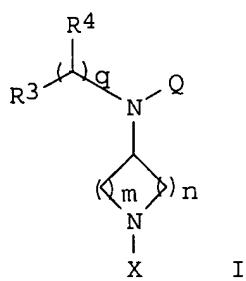
RCl (Reactant); RACT (Reactant or reagent)
 (reactant; prepn. of substituted amino-aza-cycloalkanes as
 anti-malarial agents)

BN 405514-81 3 GABRIEL

RN 405514-84-3 CAFUS
CN Benzamide, N-[(4'-cyano[1,1'-biphenyl]-4-yl)methyl]-4-pentyl-N-4-piperidinyl-(8CI) (CA INDEX NAME)



GI



AB Title compds. I [Q = SO₂R₁, COR₁, CONHR₁, CONR₁R₂, COOR₁, (CH₂)_pR₁, (CH₂)_pCHR₁R₂; X = SO₂R₁, COR₁, CONHR₁, CONR₁R₂, COOR₁, (CH₂)_pR₁, (CH₂)_pCHR₁R₂, H; R₁₋₃ = alk(en)yl, (hetero)aryl, **cycloalkyl**, heterocyclyl, aryl-alkyl, heteroaryl-alkyl, **cycloalkyl-alkyl**, heterocyclyl-alkyl, etc.; R₄ = H, CH₂OR₅, COOR₅; R₅ = H, (cyclo)alkyl, (hetero)aryl, heterocyclyl, **cycloalkyl-alkyl**, aryl-alkyl, etc.; q = 0-1, in case t=0, R₄ is absent; m = 2-4; n = 1-2; p = 0-2] were prep'd. Examples include characterization and bioassay data for over 100 compds. For instance, 1-benzyl-4-[(4-(benzyloxy)benzyl)amino]**piperidine** was acylated with 4-pentylbenzoyl chloride to give II. II had IC₅₀ = 70 nM for plasmeprin II. I are useful as inhibitors of the plasmodium falciparum protease plasmeprin II or related aspartic proteases.

RE.CNT 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:851116 CAPLUS
 DN 135:371644
 TI Pharmaceutically active **piperidine** derivatives, in particular as modulators of chemokine receptor activity
 IN Burrows, Jeremy; Cooper, Anne; Cumming, John; Mcinally, Thomas; Tucker, Howard
 PA AstraZeneca AB, Swed.
 SO PCT Int. Appl., 122 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 PAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------------|-------|-------|-----------------|-------|
| ----- | ----- | ----- | ----- | ----- |

PI WO 2001087839 A1 20011122 WO 2001-SE1053 20010514
 W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
 CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
 GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT,
 RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US,
 UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 GB 2000-11838 A 20000517

BR 2001010767 A 20030211 BR 2001-10767 20010514
 GB 2000-11838 A 20000517
 WO 2001-SE1053 W 20010514

EP 1289957 A1 20030312 EP 2001-932457 20010514
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
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 GB 2000-11838 A 20000517
 WO 2001-SE1053 W 20010514

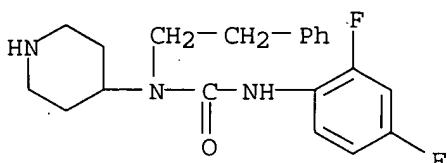
NO 2002005430 A 20021218 NO 2002-5430 20021113
 GB 2000-11838 A 20000517
 WO 2001-SE1053 W 20010514

OS MARPAT 135:371644
 IT 374724-63-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (pharmaceutically active piperidine derivs. as modulators of
 chemokine receptor activity)

RN 374724-63-7 CAPLUS
 CN Urea, N'-(2,4-difluorophenyl)-N-(2-phenylethyl)-N-4-piperidinyl-,
 mono(trifluoroacetate) (9CI) (CA INDEX NAME)

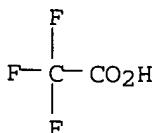
CM 1

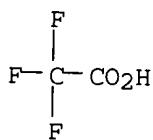
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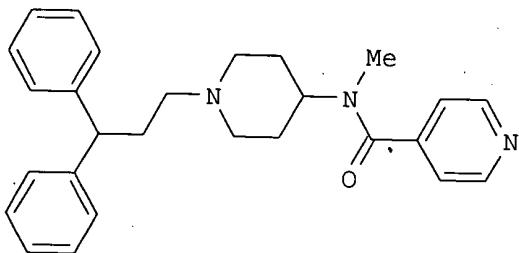
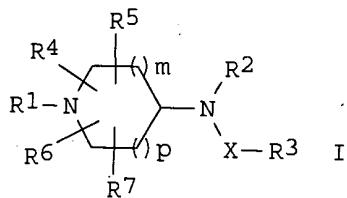
CM 2

CRN 76-05-1
 CMF C2 H F3 O2





GI



II

AB The title compds., e.g., [I; R₁ = (un)substituted C₁-6 alkyl, C₃-7 cycloalkyl, C₃-8 alkenyl or C₃-8 alkynyl; R₂ = H, C₁-8 alkyl, C₃-8 alkenyl, C₃-8 alkynyl, C₃-7 cycloalkyl, aryl, heteroaryl, heterocyclyl, aryl (C₁-4)alkyl, heteroaryl(C₁-4)alkyl, or heterocyclyl(C₁-4)alkyl; R₃ = C₁-8 alkyl, C₂-8 alkenyl, mono- or disubstituted amine, C₂-8 alkynyl, C₃-7 cycloalkyl, C₃-7 cycloalkenyl, aryl, heteroaryl, heterocyclyl, aryl (C₁-4)alkyl, heteroaryl(C₁-4)alkyl, or heterocyclyl(C₁-4)alkyl; R₄, R₅, R₆ and R₇ = independently H, (un)substituted C₁-6 alkyl, (un)substituted S(O)₂NH₂ or two of R₄, R₅, R₆ and R₇ can join to form, together with the ring to which they are attached, a bicyclic ring system or two of R₄, R₅, R₆ and R₇ can form an endocyclic bond; X = C(O), S(O)₂, C(O)C(O), a direct bond or (un)substituted C(O)C(O)N; m and p = independently 0,1 or 2; or a pharmaceutically acceptable salt or solvate thereof], compns. comprising them, processes for prep. then and their use in modulating CCR5 receptor activity (no data). Thus, reacting isonicotinic acid with 4-methylamino-1-(3,3-diphenylpropyl)piperidine hydrochloride (prepn. given) in the presence of diisopropylethylamine in NMP followed by a soln. of bromo-tris-pyrrolidinophosphonium hexafluorophosphate in NMP afforded II.

RE.CNT 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS

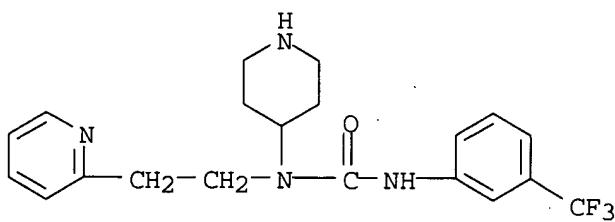
AN 2001:453019 CAPLUS
 DN 135:46106
 TI 4-Aminopiperidine derivatives, processes for their preparation,
 pharmaceutical compositions, and their use as medicines, specifically as
 somatostatin receptor ligands
 IN Thurieau, Christophe; Gonzalez, Jerome; Moinet, Christophe
 PA Societe de Conseils de Recherches et d'Applications Scientifiques
 (S.C.R.A.S.), Fr.
 SO PCT Int. Appl., 193 pp.
 CODEN: PIXXD2
 DT Patent
 LA French
 FAN CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|------|----------|-----------------|------------|
| PI | WO 2001044191 | A1 | 20010621 | WO 2000-FR3497 | 20001213 |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | | |
| | FR 2802206 | A1 | 20010615 | FR 1999-15724 | A 19991214 |
| | EP 1286966 | A1 | 20030305 | FR 1999-15724 | 19991214 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | EP 2000-993405 | 20001213 |
| | JP 2003516965 | T2 | 20030520 | FR 1999-15724 | A 19991214 |
| | | | | WO 2000-FR3497 | W 20001213 |
| | | | | JP 2001-544681 | 20001213 |
| | | | | FR 1999-15724 | A 19991214 |
| | | | | WO 2000-FR3497 | W 20001213 |
| OS | MARPAT 135:46106 | | | | |
| IT | 344783-91-1P 344783-93-3P 344783-95-5P
344783-97-7P 344784-00-5P 344784-01-6P
344784-02-7P 344784-03-8P 344785-45-1P
344785-46-2P 344785-47-3P 344785-48-4P
344785-49-5P 344785-50-8P 344785-51-9P
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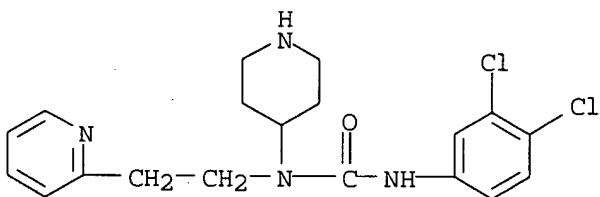
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344790-74-5P 344790-76-7P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate; prepn. of aminopiperidine derivs. as somatostatin receptor ligands)

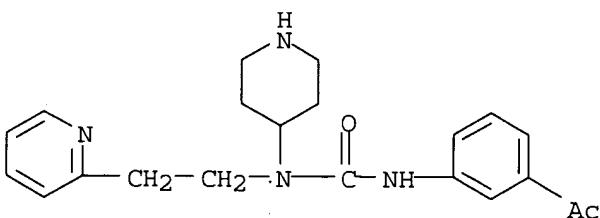
RN 344783-91-1 CAPLUS
CN Urea, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-N'-(3-(trifluoromethyl)phenyl] - (9CI) (CA INDEX NAME)



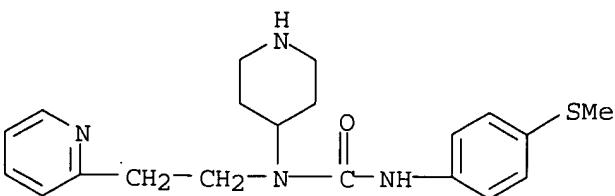
RN 344783-93-3 CAPLUS
 CN Urea, N'-(3,4-dichlorophenyl)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



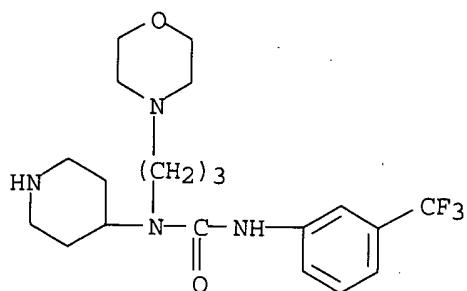
RN 344783-95-5 CAPLUS
 CN Urea, N'-(3-acetylphenyl)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



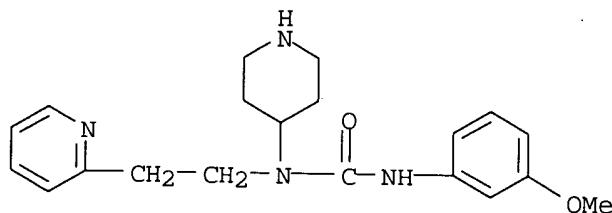
RN 344783-97-7 CAPLUS
 CN Urea, N'-[4-(methylthio)phenyl]-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



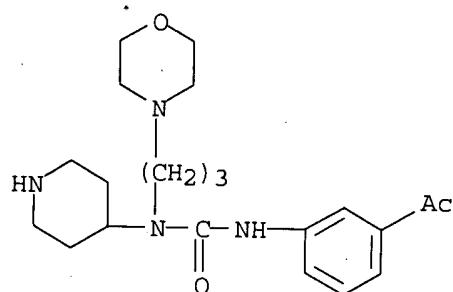
RN 344784-00-5 CAPLUS
 CN Urea, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl-N'-[3-(trifluoromethyl)phenyl]- (9CI) (CA INDEX NAME)



RN 344784-01-6 CAPLUS

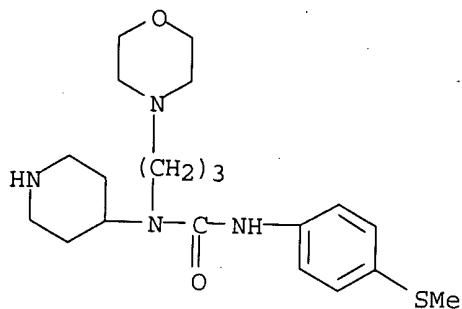
CN Urea, N'-(3-methoxyphenyl)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI)
(CA INDEX NAME)

RN 344784-02-7 CAPLUS

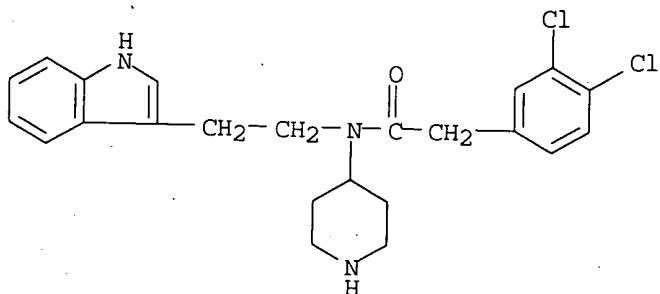
CN Urea, N'-(3-acetylphenyl)-N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344784-03-8 CAPLUS

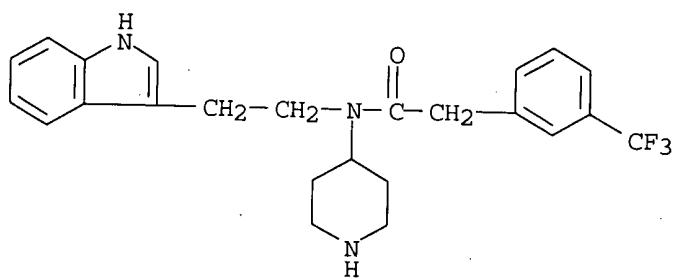
CN Urea, N'-[4-(methylthio)phenyl]-N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-45-1 CAPLUS

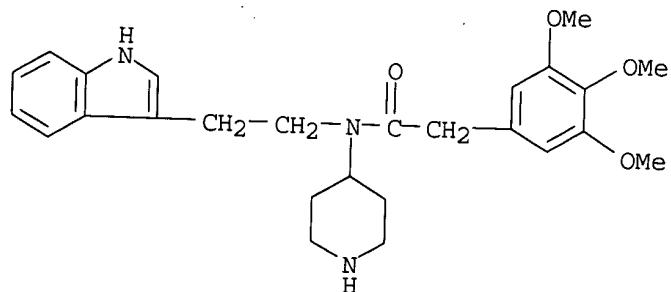
CN Benzeneacetamide, 3,4-dichloro-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344785-46-2 CAPLUS

CN Benzeneacetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-3-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

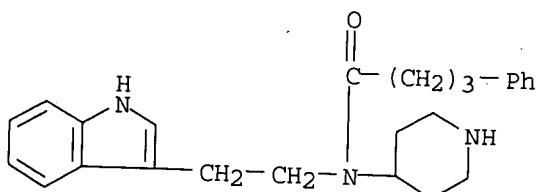
RN 344785-47-3 CAPLUS

CN Benzeneacetamide, N-[2-(1H-indol-3-yl)ethyl]-3,4,5-trimethoxy-N-4-
piperidinyl- (9CI) (CA INDEX NAME)



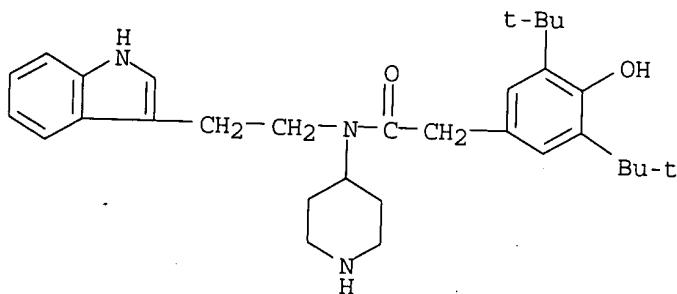
RN 344785-48-4 CAPLUS

CN Benzenebutanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-49-5 CAPLUS

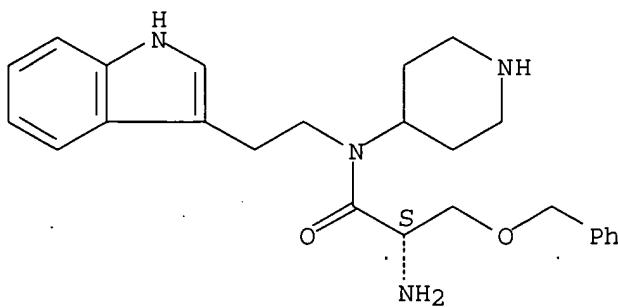
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-50-8 CAPLUS

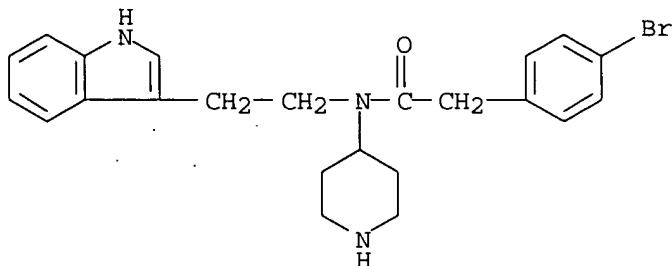
CN Propanamide, 2-amino-N-[2-(1H-indol-3-yl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



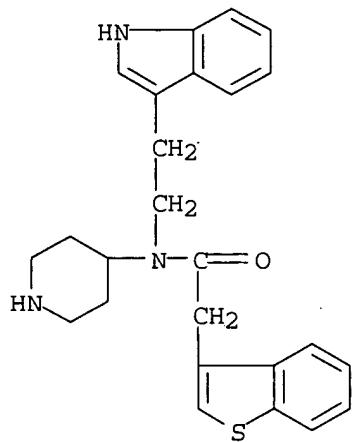
RN 344785-51-9 CAPLUS

CN Benzeneacetamide, 4-bromo-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



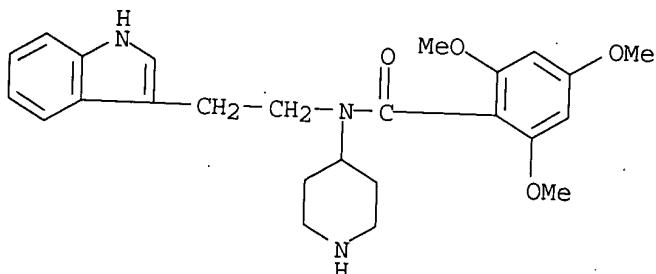
RN 344785-52-0 CAPLUS

CN Benzo [b] thiophene-3-acetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



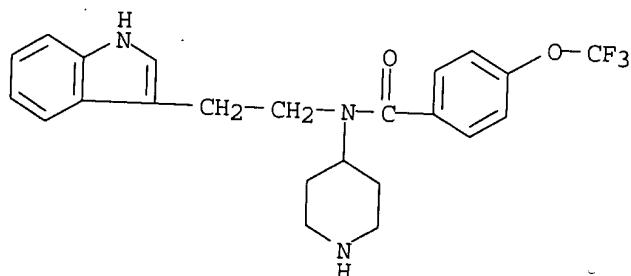
RN 344785-55-3 CAPLUS

CN Benzamide, N-[2-(1H-indol-3-yl)ethyl]-2,4,6-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



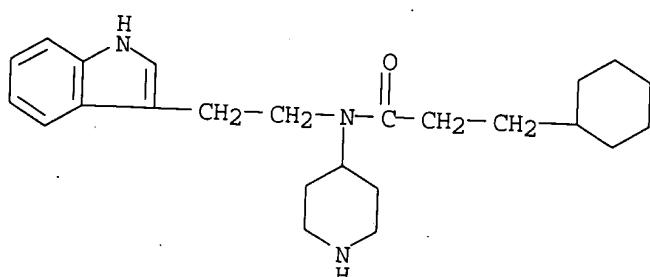
RN 344785-56-4 CAPLUS

CN Benzamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



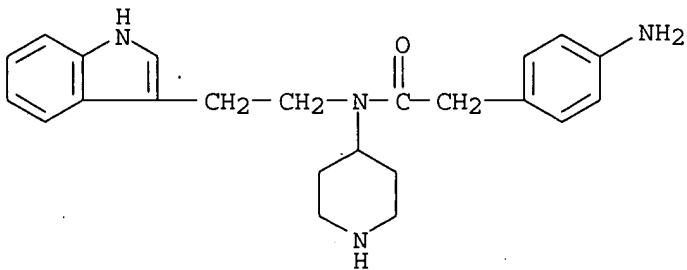
RN 344785-57-5 CAPLUS

CN Cyclohexanepropanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



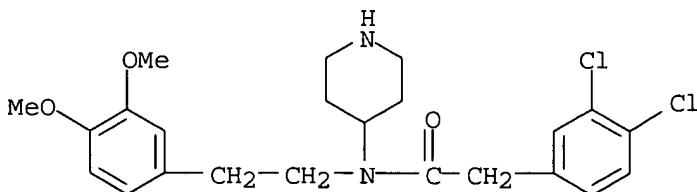
RN 344785-58-6 CAPLUS

CN Benzeneacetamide, 4-amino-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



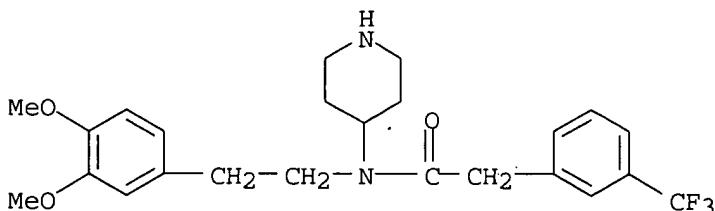
RN 344785-59-7 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



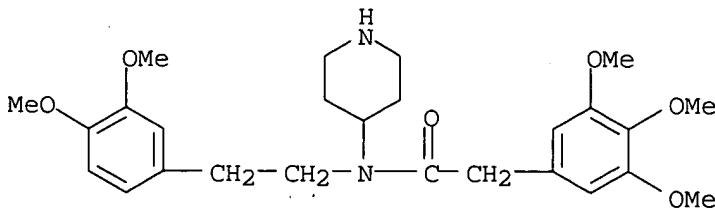
RN 344785-60-0 CAPLUS

CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



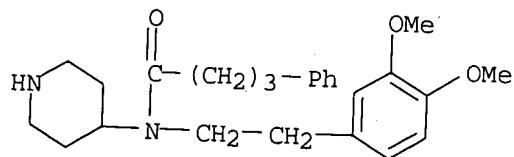
RN 344785-61-1 CAPLUS

CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3,4,5-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



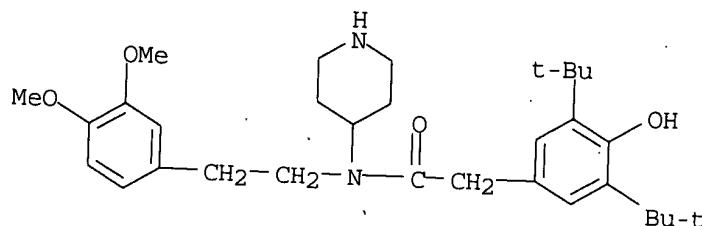
RN 344785-62-2 CAPLUS

CN Benzenebutanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-63-3 CAPLUS

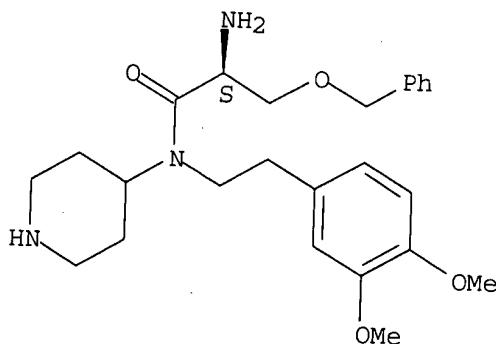
CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-64-4 CAPLUS

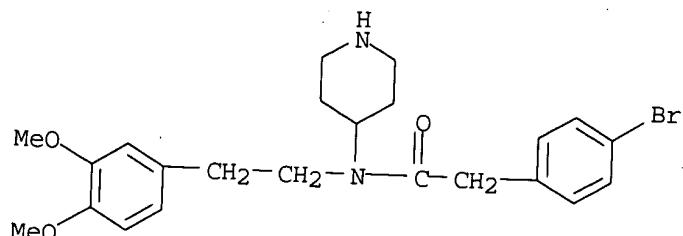
CN Propanamide, 2-amino-N-[2-(3,4-dimethoxyphenyl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

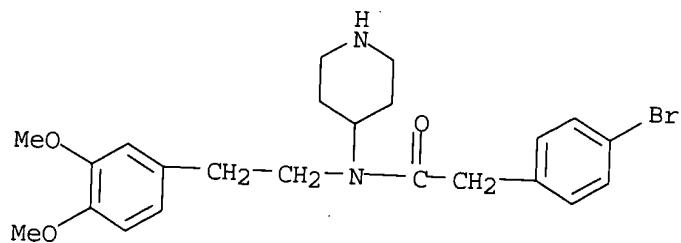
Absolute stereochemistry.



RN 344785-65-5 CAPLUS

CN Benzeneacetamide, 4-bromo-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

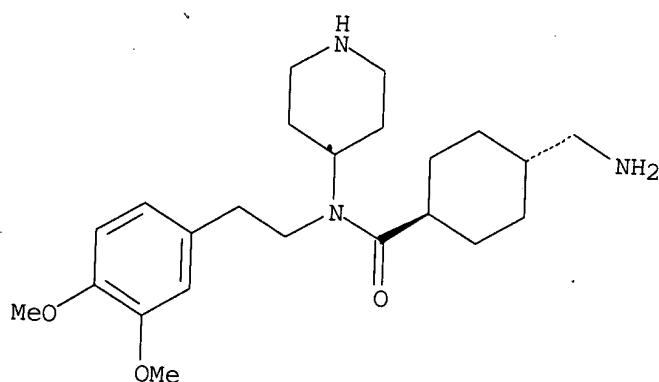




RN 344785-66-6 CAPLUS

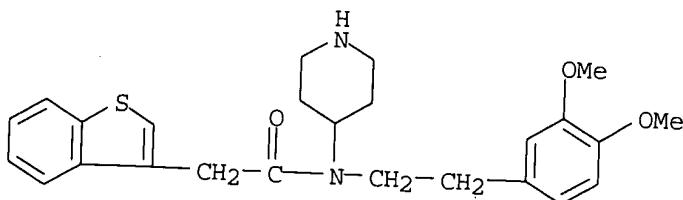
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



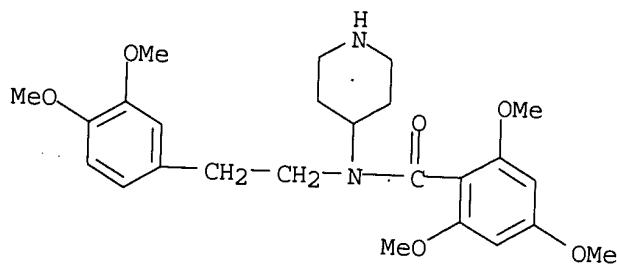
RN 344785-67-7 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



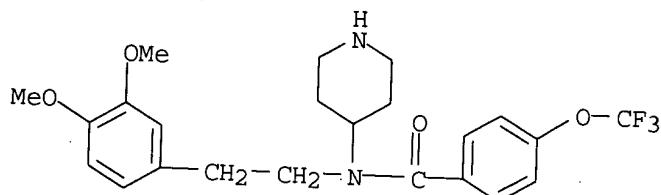
RN 344785-70-2 CAPLUS

CN Benzamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-2,4,6-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



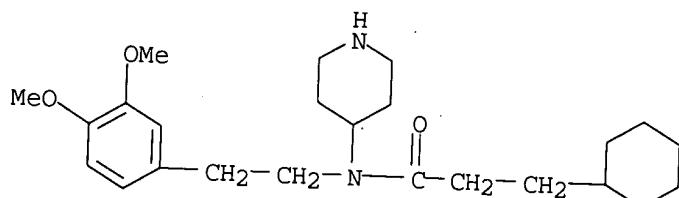
RN 344785-71-3 CAPLUS

CN Benzamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



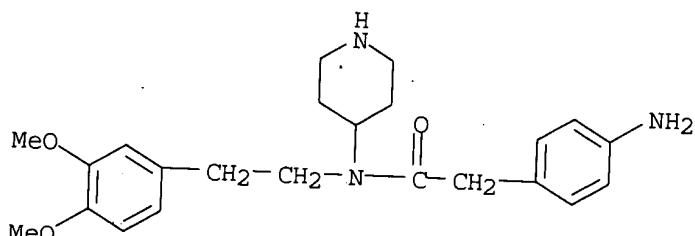
RN 344785-72-4 CAPLUS

CN Cyclohexanepropanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-



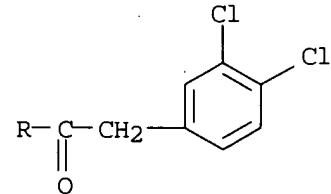
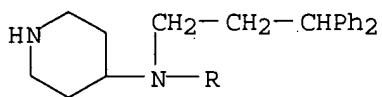
RN 344785-73-5 CAPLUS

CN Benzeneacetamide, 4-amino-N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-



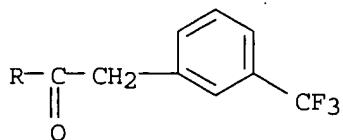
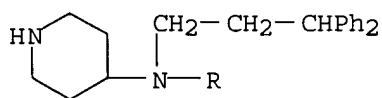
RN 344785-74-6 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-(3,3-diphenylpropyl)-N-4-piperidinyl-



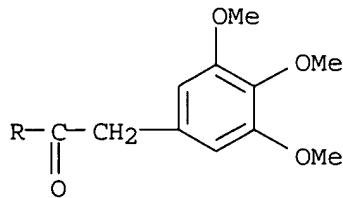
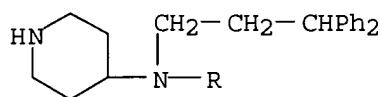
RN 344785-75-7 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



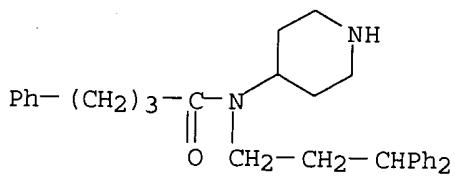
RN 344785-76-8 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-3,4,5-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



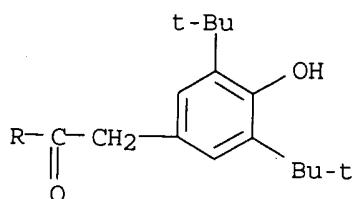
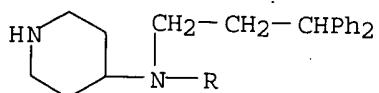
RN 344785-77-9 CAPLUS

CN Benzenebutanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-78-0 CAPLUS

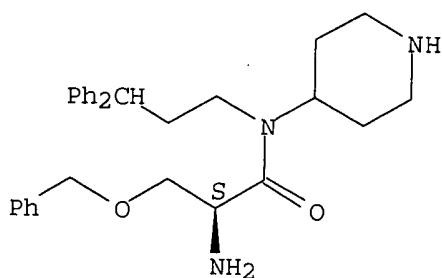
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-N-(3,3-diphenylpropyl)-4-hydroxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-79-1 CAPLUS

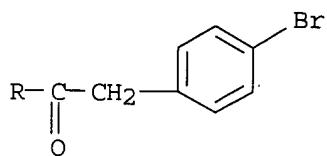
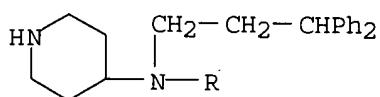
CN Propanamide, 2-amino-N-(3,3-diphenylpropyl)-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

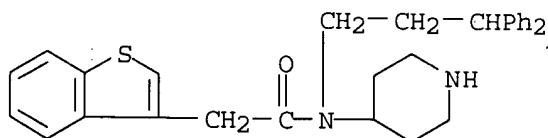


RN 344785-81-5 CAPLUS

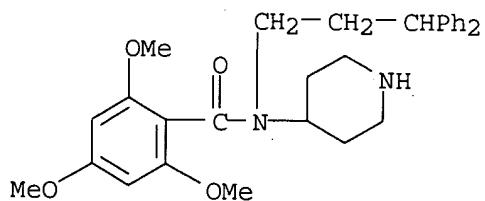
CN Benzeneacetamide, 4-bromo-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



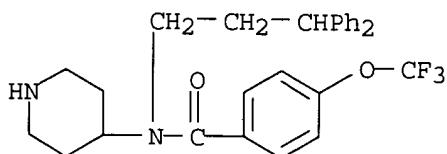
RN 344785-82-6 CAPLUS
 CN Benzo[b]thiophene-3-acetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



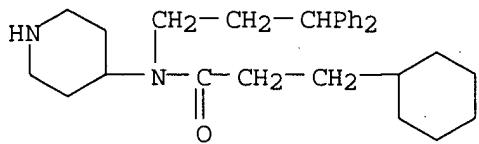
RN 344785-85-9 CAPLUS
 CN Benzamide, N-(3,3-diphenylpropyl)-2,4,6-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



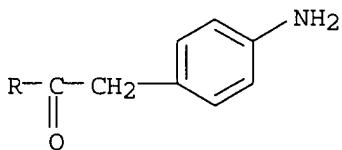
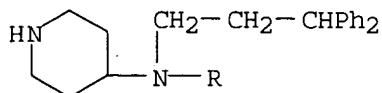
RN 344785-86-0 CAPLUS
 CN Benzamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



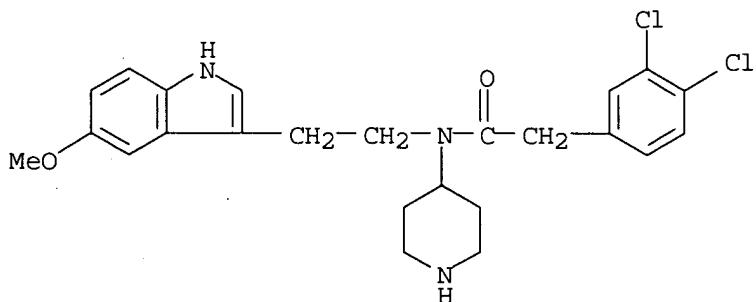
RN 344785-87-1 CAPLUS
 CN Cyclohexanepropanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



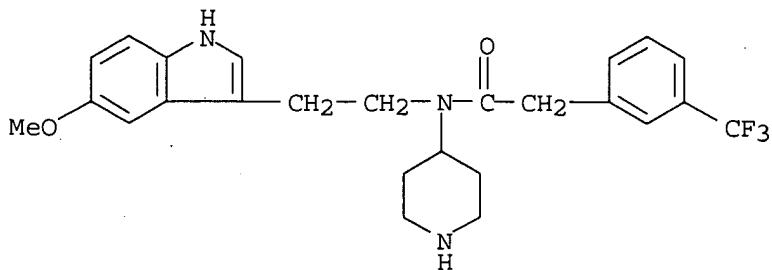
RN 344785-88-2 CAPLUS
 CN Benzeneacetamide, 4-amino-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI)
 (CA INDEX NAME)

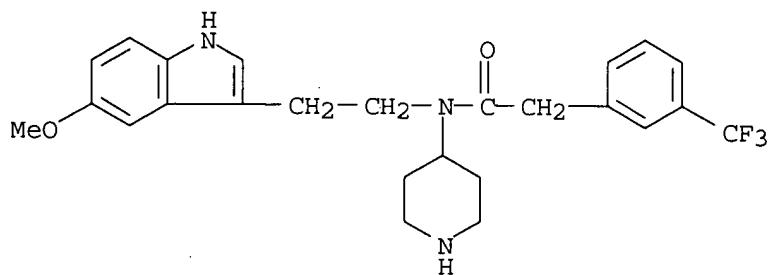


RN 344785-89-3 CAPLUS
 CN Benzeneacetamide, 3,4-dichloro-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



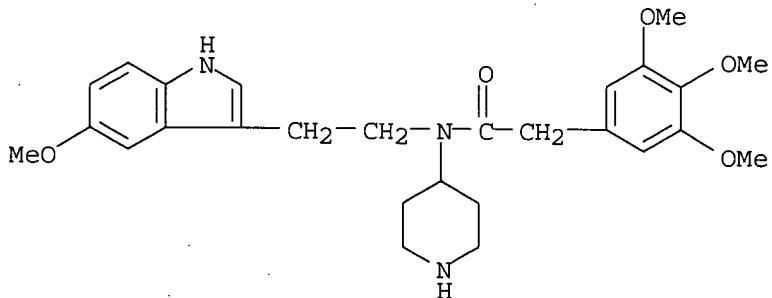
RN 344785-90-6 CAPLUS
 CN Benzeneacetamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)





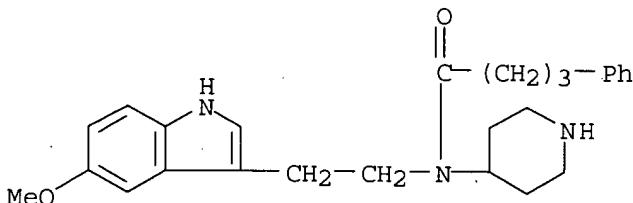
RN 344785-91-7 CAPLUS

CN Benzeneacetamide, 3,4,5-trimethoxy-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



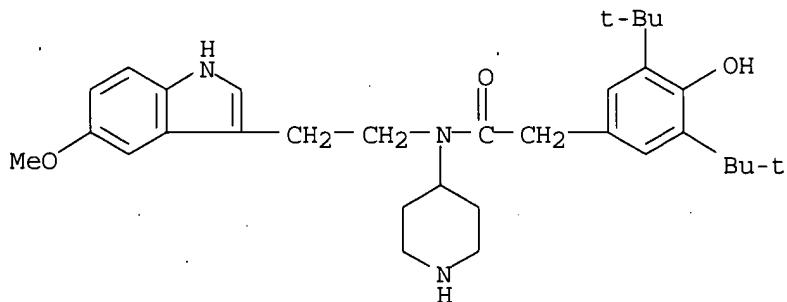
RN 344785-92-8 CAPLUS

CN Benzenebutanamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-93-9 CAPLUS

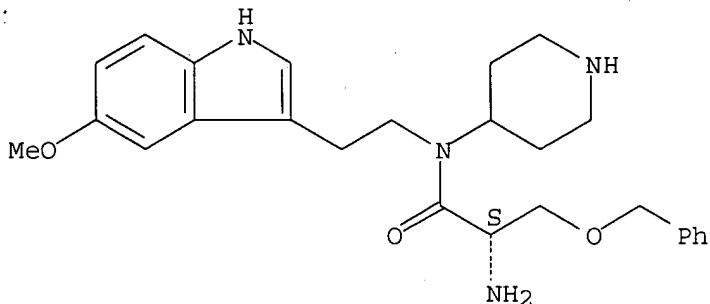
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344785-94-0 CAPLUS

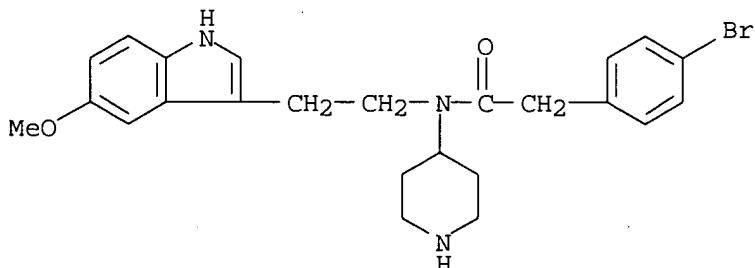
CN Propanamide, 2-amino-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344785-95-1 CAPLUS

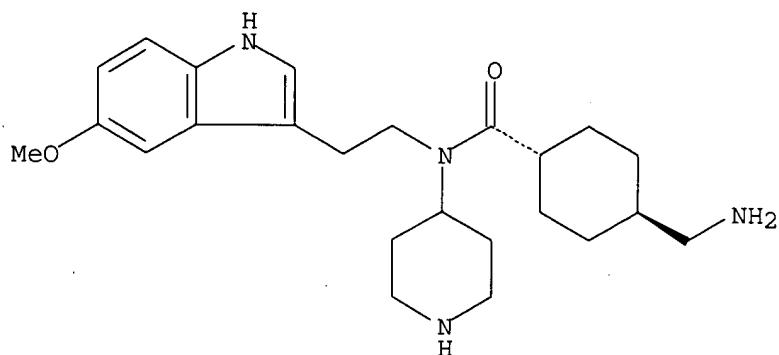
CN Benzeneacetamide, 4-bromo-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-, (9CI) (CA INDEX NAME)



RN 344785-96-2 CAPLUS

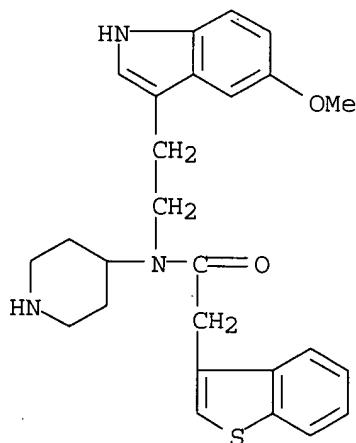
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-, trans-, (9CI) (CA INDEX NAME)

Relative stereochemistry.



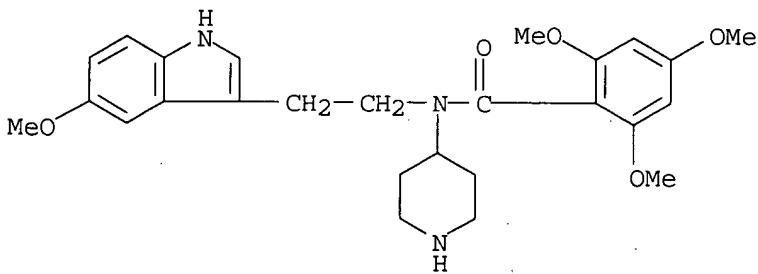
RN 344785-97-3 CAPLUS

CN Benzo [b]thiophene-3-acetamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



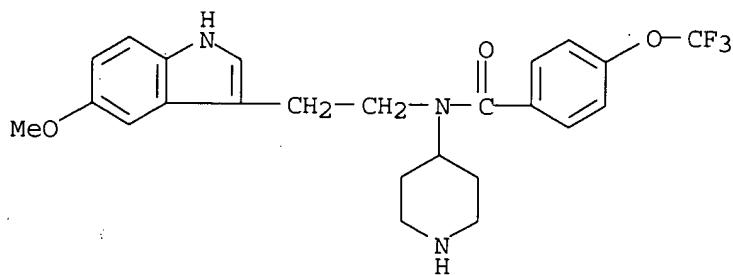
RN 344786-00-1 CAPLUS

CN Benzamide, 2,4,6-trimethoxy-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



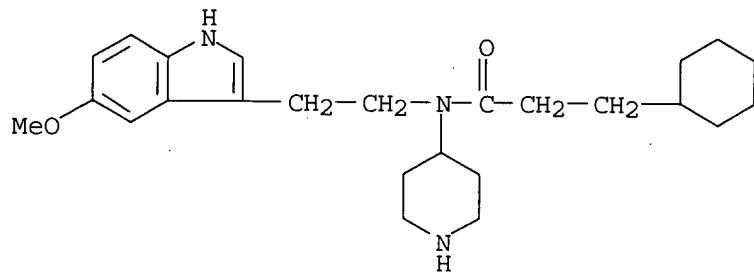
RN 344786-01-2 CAPLUS

CN Benzamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



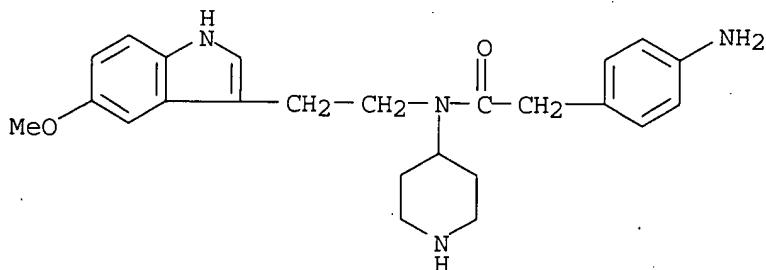
RN 344786-02-3 CAPLUS

CN Cyclohexanepropanamide, N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



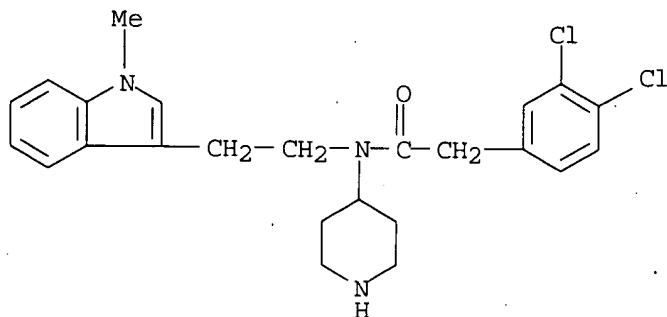
RN 344786-03-4 CAPLUS

CN Benzeneacetamide, 4-amino-N-[2-(5-methoxy-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



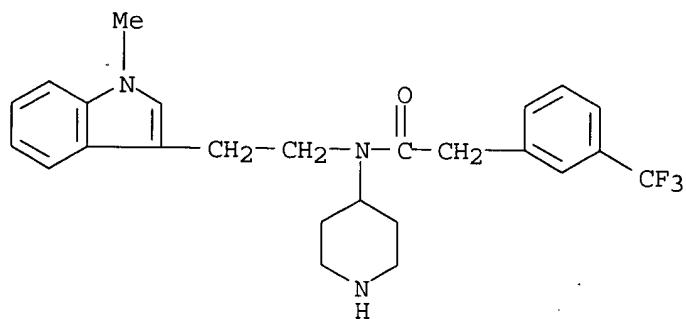
RN 344786-20-5 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



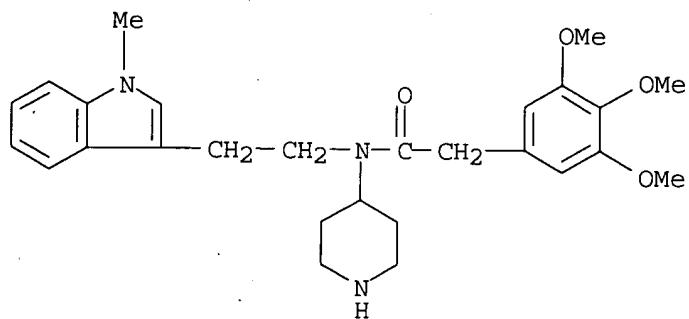
RN 344786-21-6 CAPLUS

CN Benzeneacetamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



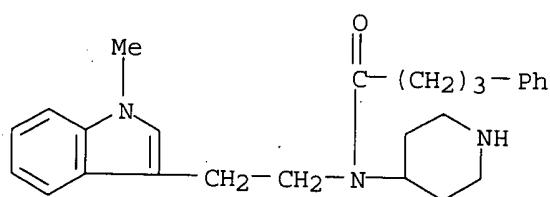
RN 344786-22-7 CAPLUS

CN Benzeneacetamide, 3,4,5-trimethoxy-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



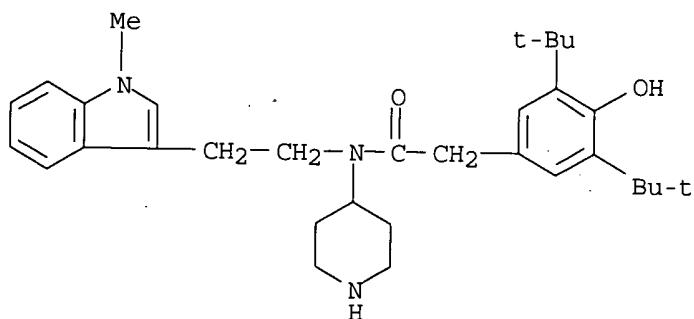
RN 344786-23-8 CAPLUS

CN Benzenebutanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-24-9 CAPLUS

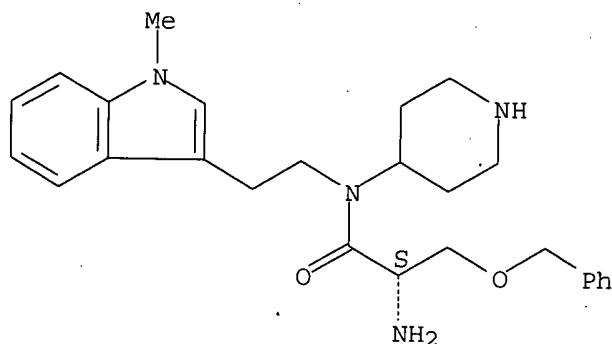
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-25-0 CAPLUS

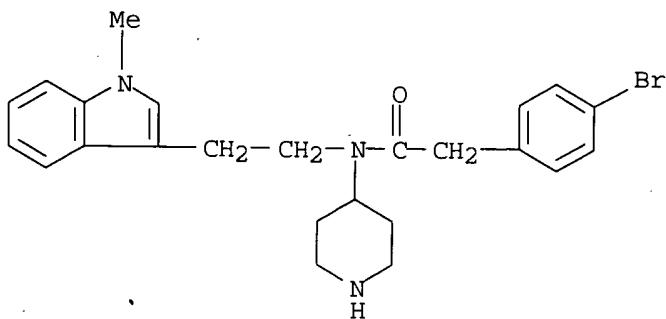
CN Propanamide, 2-amino-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344786-30-7 CAPLUS

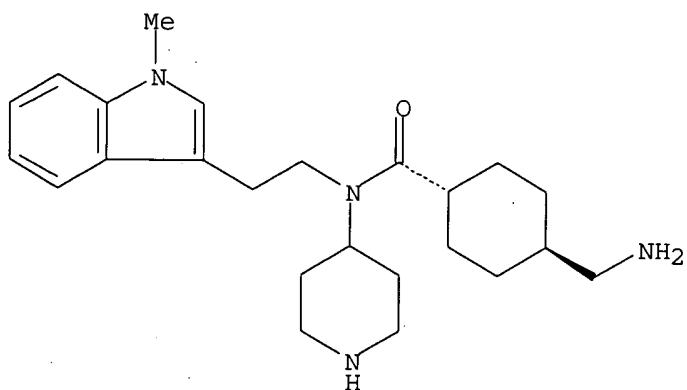
CN Benzeneacetamide, 4-bromo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-33-0 CAPLUS

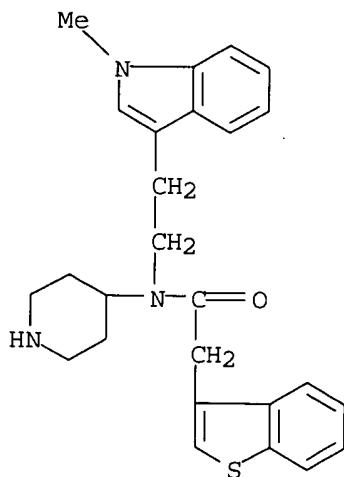
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



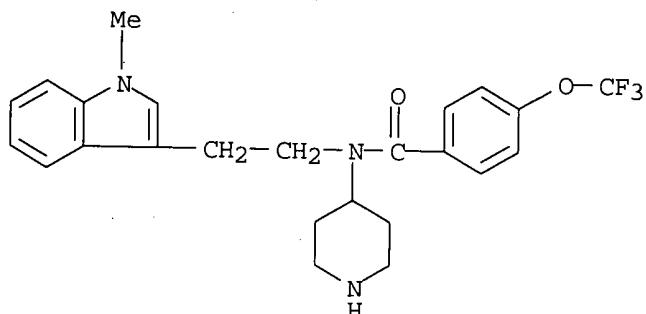
RN 344786-34-1 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



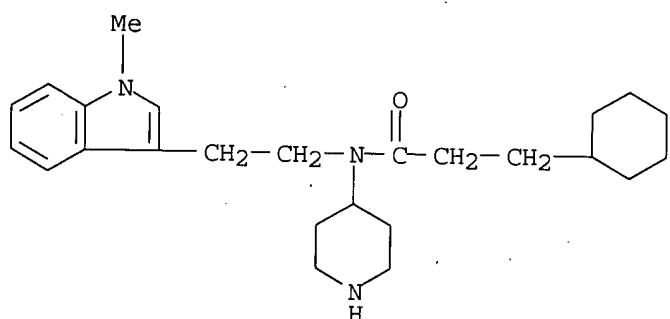
RN 344786-37-4 CAPLUS

CN Benzamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



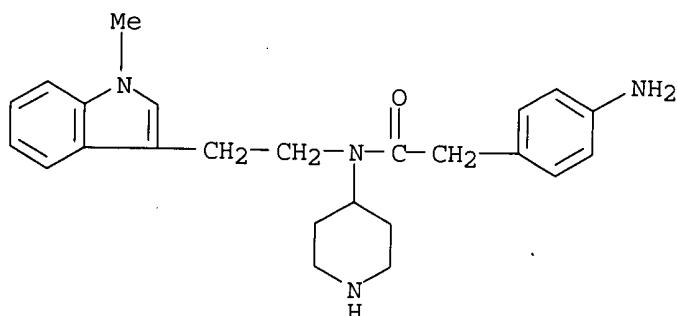
RN 344786-38-5 CAPLUS

CN Cyclohexanepropanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



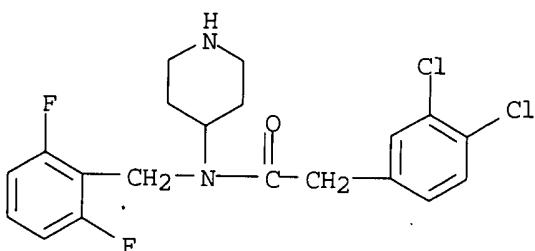
RN 344786-39-6 CAPLUS

CN Benzeneacetamide, 4-amino-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



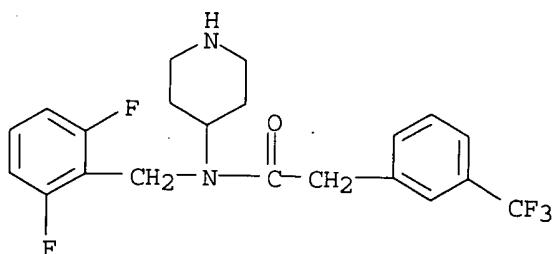
RN 344786-40-9 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



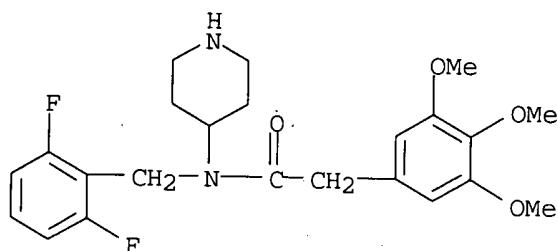
RN 344786-41-0 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-3-(trifluoromethyl)- (9CI) (CA INDEX NAME)



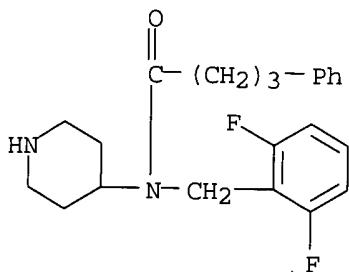
RN 344786-42-1 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-3,4,5-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



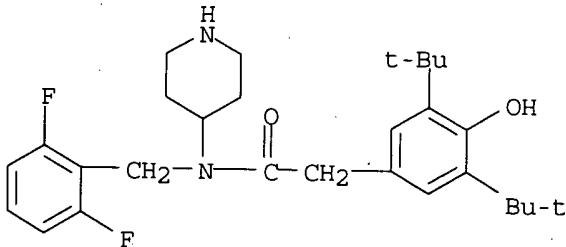
RN 344786-43-2 CAPLUS

CN Benzenebutanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-44-3 CAPLUS

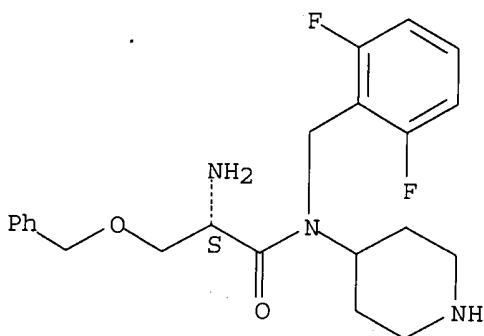
CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-45-4 CAPLUS

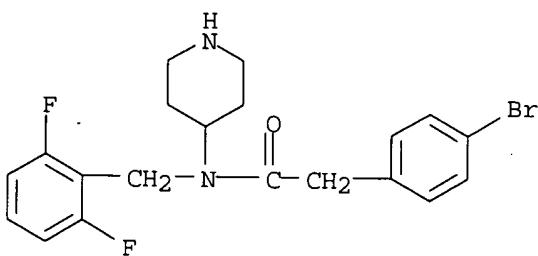
CN Propanamide, 2-amino-N-[(2,6-difluorophenyl)methyl]-3-(phenylmethoxy)-N-4-piperidinyl-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344786-47-6 CAPLUS

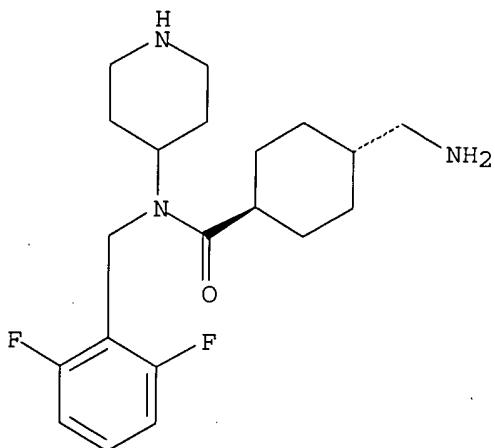
CN Benzeneacetamide, 4-bromo-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344786-48-7 CAPLUS

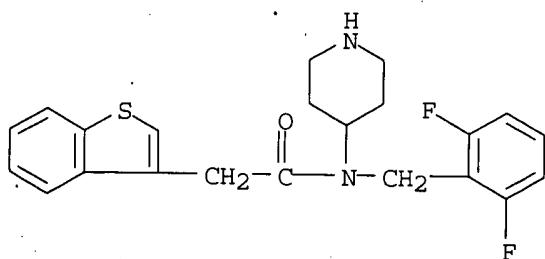
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



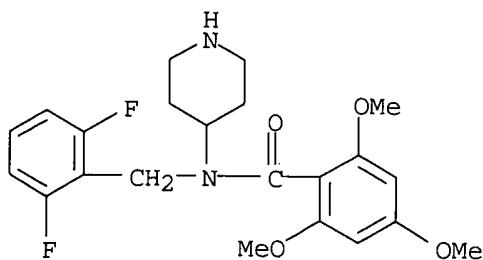
RN 344786-49-8 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



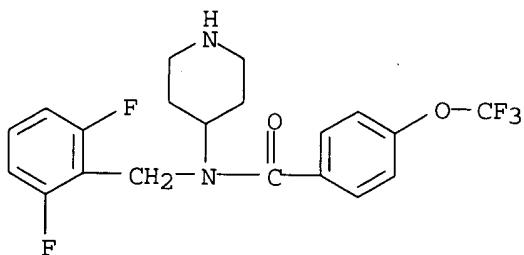
RN 344786-52-3 CAPLUS

CN Benzamide, N-[(2,6-difluorophenyl)methyl]-2,4,6-trimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



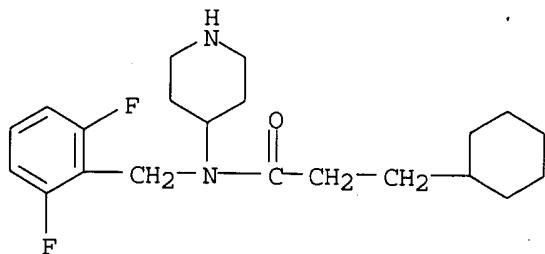
RN 344786-53-4 CAPLUS

CN Benzamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



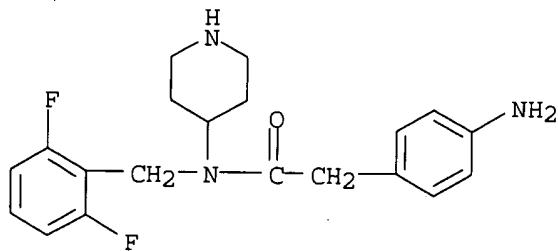
RN 344786-54-5 CAPLUS

CN Cyclohexanepropanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

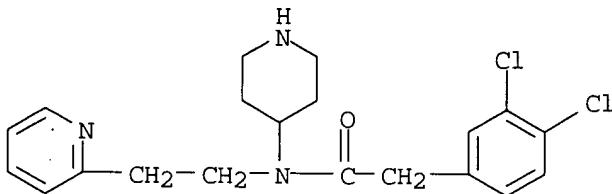


RN 344786-55-6 CAPLUS

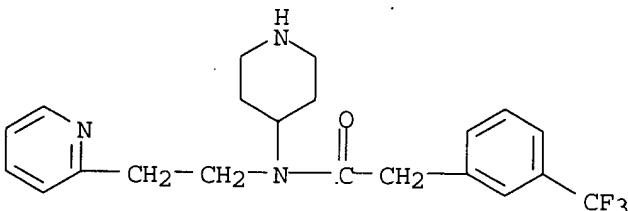
CN Benzeneacetamide, 4-amino-N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



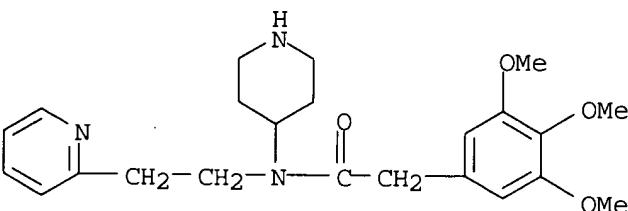
RN 344786-56-7 CAPLUS

CN Benzeneacetamide, 3,4-dichloro-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-
(9CI) (CA INDEX NAME)

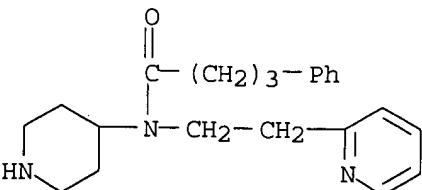
RN 344786-57-8 CAPLUS

CN Benzeneacetamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-3-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 344786-58-9 CAPLUS

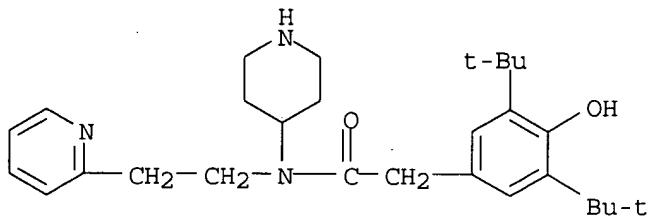
CN Benzeneacetamide, 3,4,5-trimethoxy-N-4-piperidinyl-N-[2-(2-
pyridinyl)ethyl]- (9CI) (CA INDEX NAME)

RN 344786-59-0 CAPLUS

CN Benzenebutanamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA
INDEX NAME)

RN 344786-60-3 CAPLUS

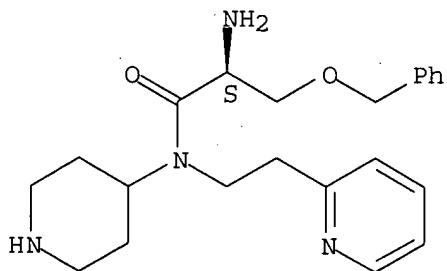
CN Benzeneacetamide, 3,5-bis(1,1-dimethylethyl)-4-hydroxy-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 344786-61-4 CAPLUS

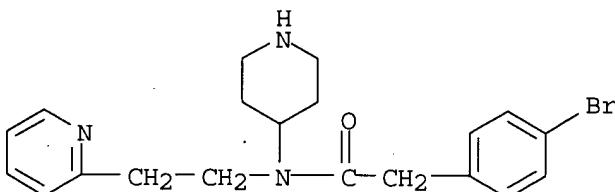
CN Propanamide, 2-amino-3-(phenylmethoxy)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-, (2S)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 344786-63-6 CAPLUS

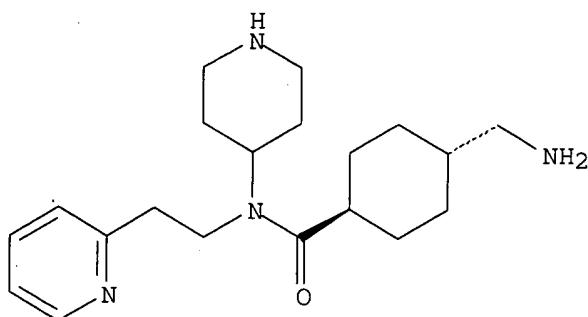
CN Benzeneacetamide, 4-bromo-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



RN 344786-64-7 CAPLUS

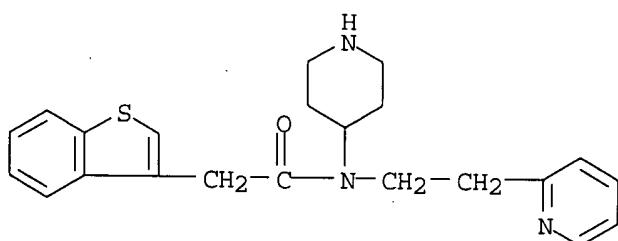
CN Cyclohexanecarboxamide, 4-(aminomethyl)-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl]-, trans- (9CI) (CA INDEX NAME)

Relative stereochemistry.



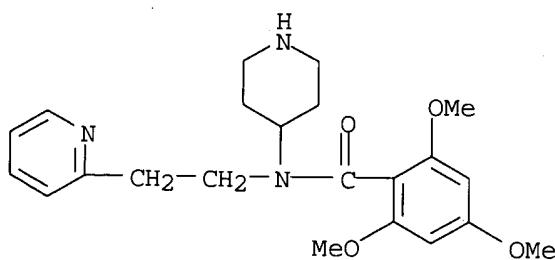
RN 344786-65-8 CAPLUS

CN Benzo[b]thiophene-3-acetamide, N-(4-piperidinyl)-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)



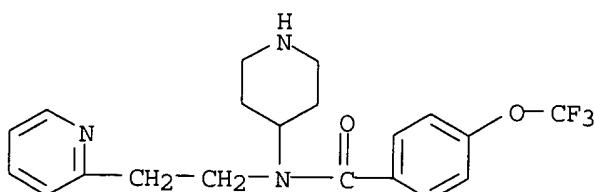
RN 344786-68-1 CAPLUS

CN Benzamide, 2,4,6-trimethoxy-N-(4-piperidinyl)-[2-(2-pyridinyl)ethyl]- (9CI) (CA INDEX NAME)

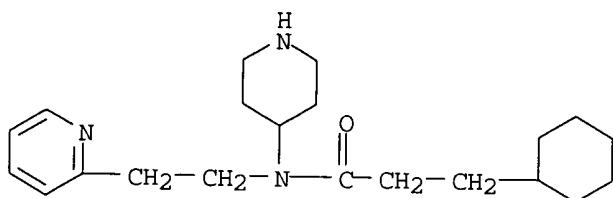


RN 344786-69-2 CAPLUS

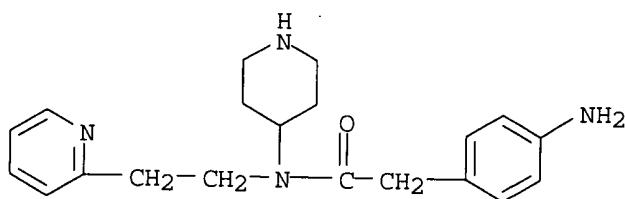
CN Benzamide, N-(4-piperidinyl)-[2-(2-pyridinyl)ethyl]-4-(trifluoromethoxy)- (9CI) (CA INDEX NAME)



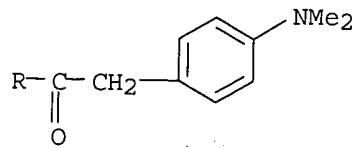
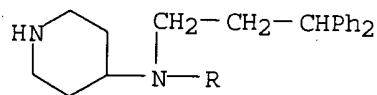
RN 344786-70-5 CAPLUS

CN Cyclohexanepropanamide, N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl] - (9CI)
(CA INDEX NAME)

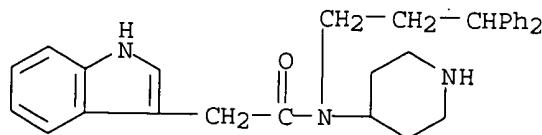
RN 344786-71-6 CAPLUS

CN Benzeneacetamide, 4-amino-N-4-piperidinyl-N-[2-(2-pyridinyl)ethyl] - (9CI)
(CA INDEX NAME)

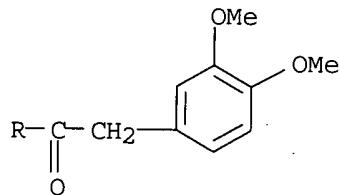
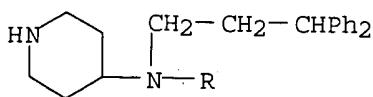
RN 344787-32-2 CAPLUS

CN Benzeneacetamide, 4-(dimethylamino)-N-(3,3-diphenylpropyl)-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

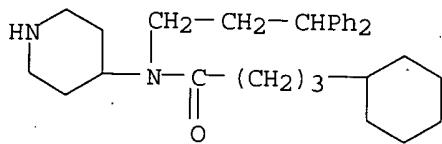
RN 344787-33-3 CAPLUS

CN 1H-Indole-3-acetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA
INDEX NAME)

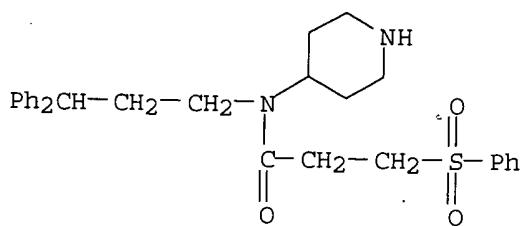
RN 344787-34-4 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-3,4-dimethoxy-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

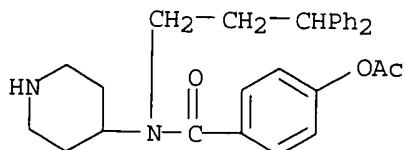
RN 344787-35-5 CAPLUS

CN Cyclohexanebutanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA
INDEX NAME)

RN 344787-36-6 CAPLUS

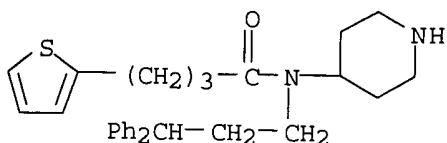
CN Propanamide, N-(3,3-diphenylpropyl)-3-(phenylsulfonyl)-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344787-37-7 CAPLUS

CN Benzamide, 4-(acetyloxy)-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

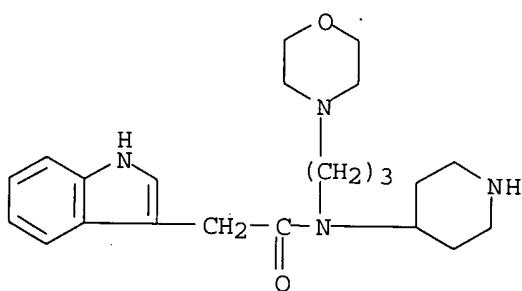
RN 344787-38-8 CAPLUS

CN 2-Thiophenebutanamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



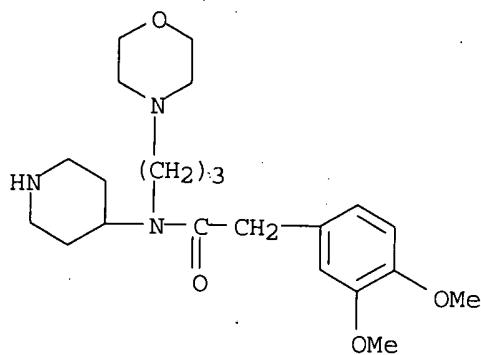
RN 344787-39-9 CAPLUS

CN 1H-Indole-3-acetamide, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



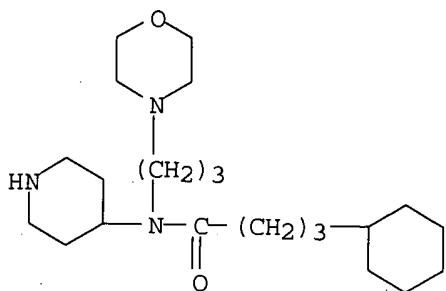
RN 344787-40-2 CAPLUS

CN Benzeneacetamide, 3,4-dimethoxy-N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



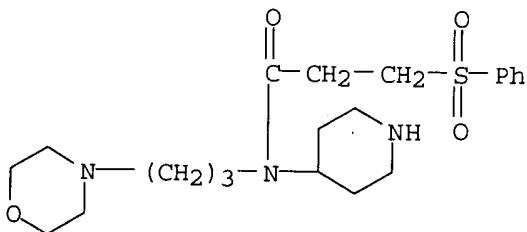
RN 344787-41-3 CAPLUS

CN Cyclohexanebutanamide, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



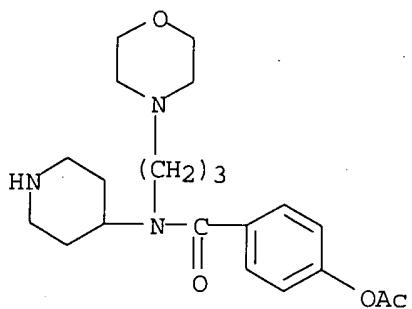
RN 344787-42-4 CAPLUS

CN Propanamide, N-[3-(4-morpholinyl)propyl]-3-(phenylsulfonyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



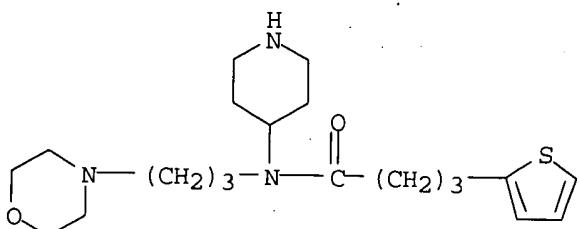
RN 344787-43-5 CAPLUS

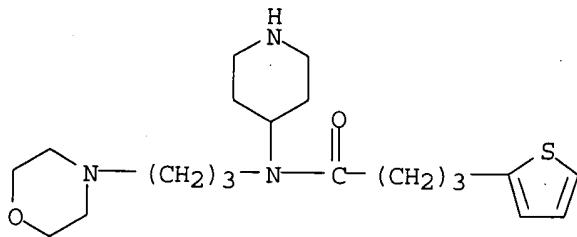
CN Benzamide, 4-(acetyloxy)-N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344787-44-6 CAPLUS

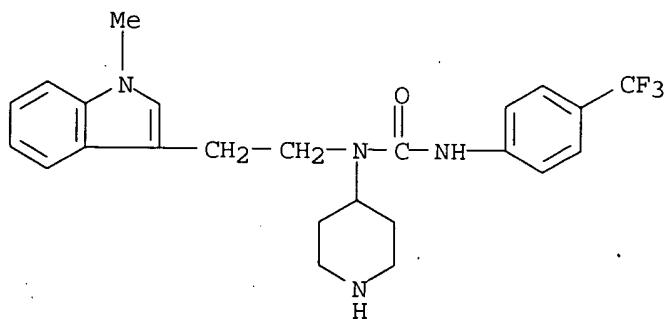
CN 2-Thiophenebutanamide, N-[3-(4-morpholinyl)propyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)





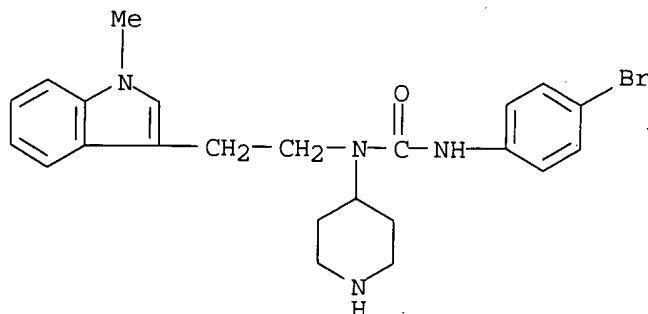
RN 344787-45-7 CAPLUS

CN Urea, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



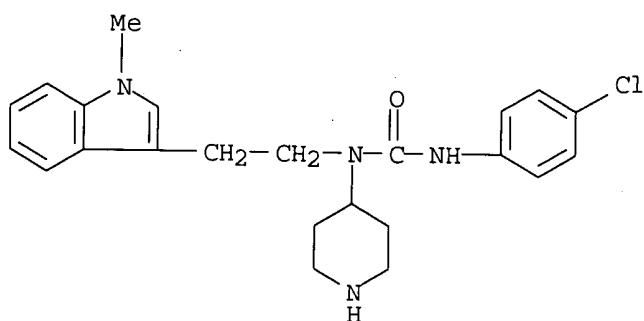
RN 344787-46-8 CAPLUS

CN Urea, N'-(4-bromophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



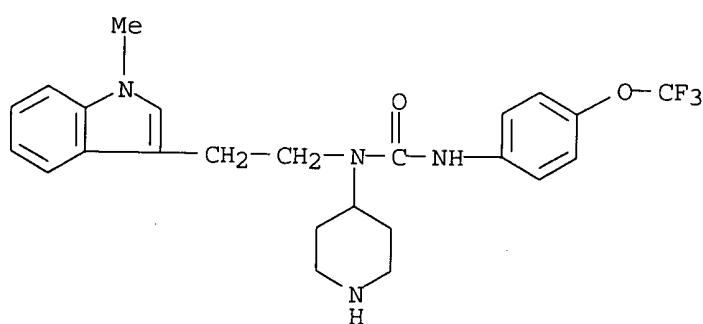
RN 344787-47-9 CAPLUS

CN Urea, N'-(4-chlorophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



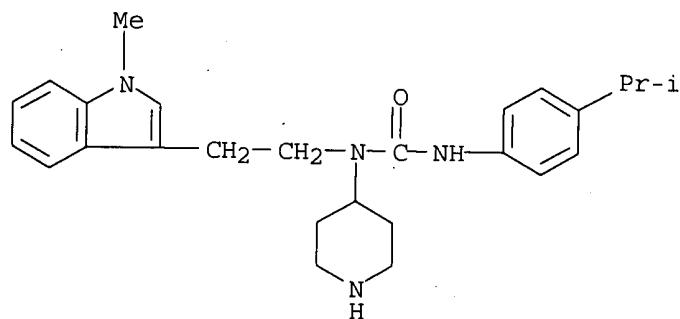
RN 344787-48-0 CAPLUS

CN Urea, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethoxy)phenyl)-(9CI) (CA INDEX NAME)



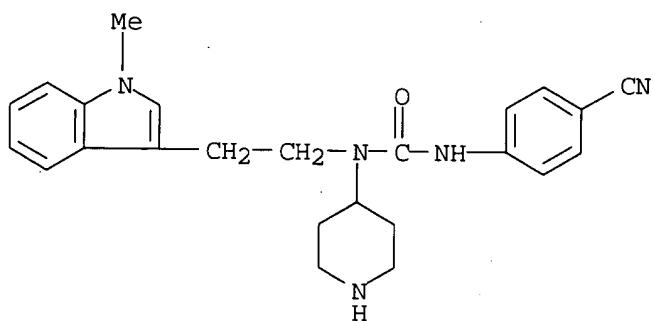
RN 344787-49-1 CAPLUS

CN Urea, N'-(4-(1-methylethyl)phenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-(9CI) (CA INDEX NAME)



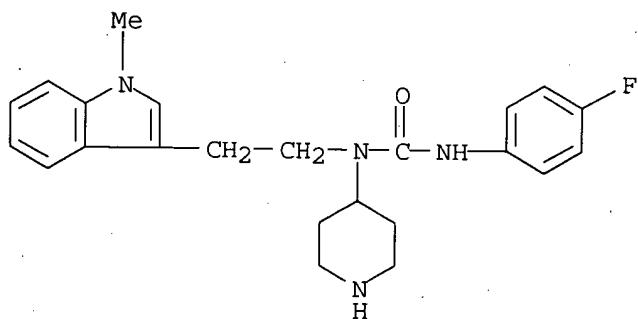
RN 344787-50-4 CAPLUS

CN Urea, N'-(4-cyanophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-(9CI) (CA INDEX NAME)



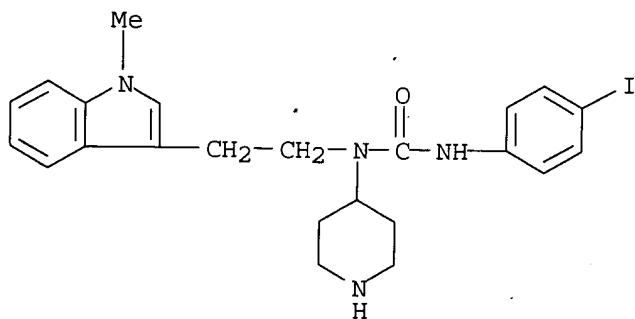
RN 344787-51-5 CAPLUS

CN Urea, N'-(4-fluorophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



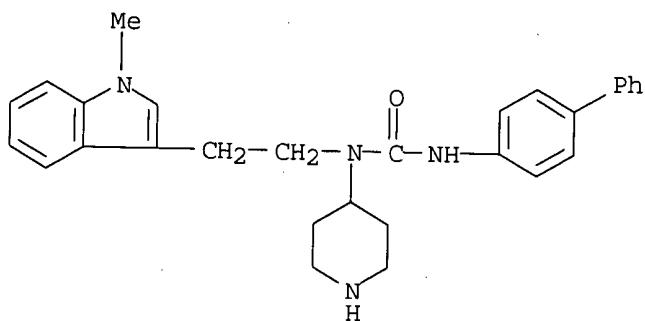
RN 344787-52-6 CAPLUS

CN Urea, N'-(4-iodophenyl)-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



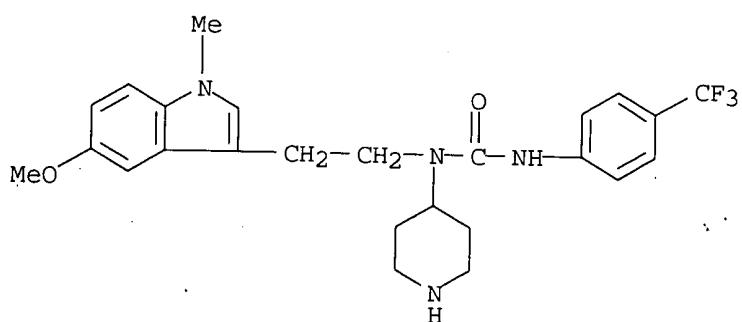
RN 344787-53-7 CAPLUS

CN Urea, N'-[1,1'-biphenyl]-4-yl-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



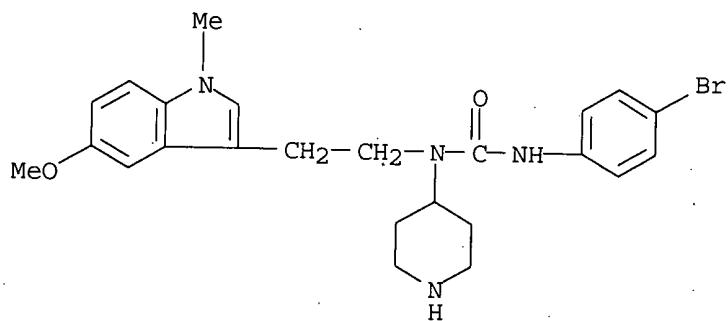
RN 344787-54-8 CAPLUS

CN Urea, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



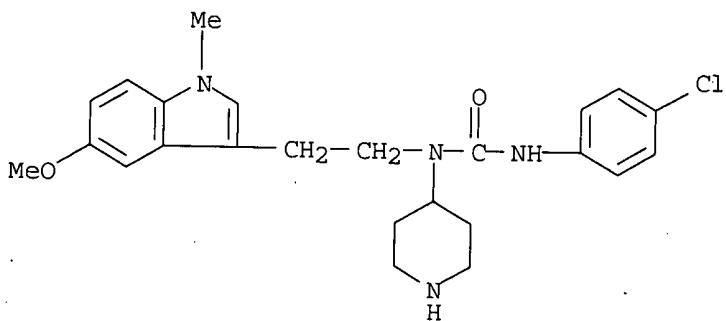
RN 344787-55-9 CAPLUS

CN Urea, N'-(4-bromophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



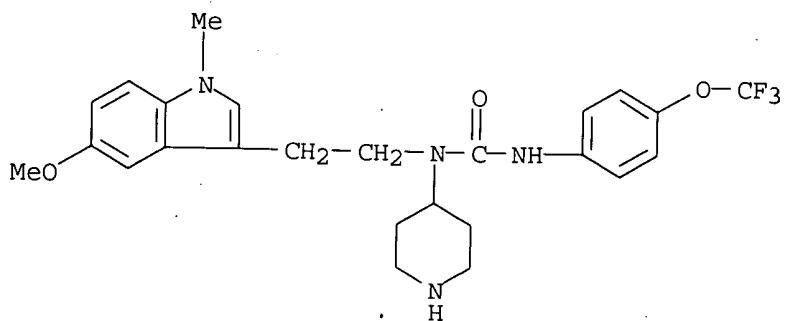
RN 344787-56-0 CAPLUS

CN Urea, N'-(4-chlorophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



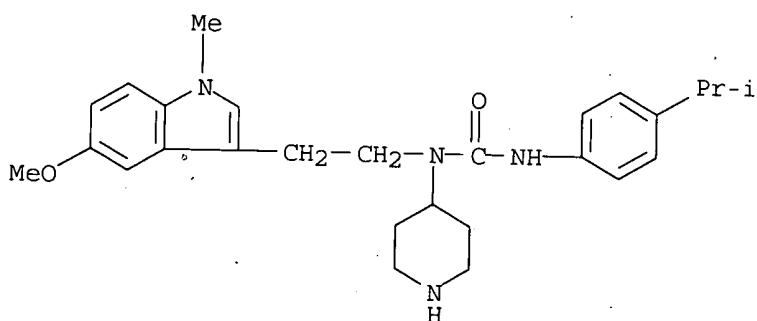
RN 344787-57-1 CAPLUS

CN Urea, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethoxy)phenyl)- (9CI) (CA INDEX NAME)



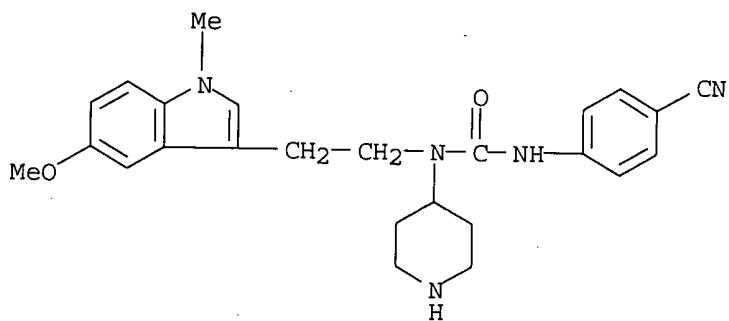
RN 344787-58-2 CAPLUS

CN Urea, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N'-[4-(1-methylethyl)phenyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



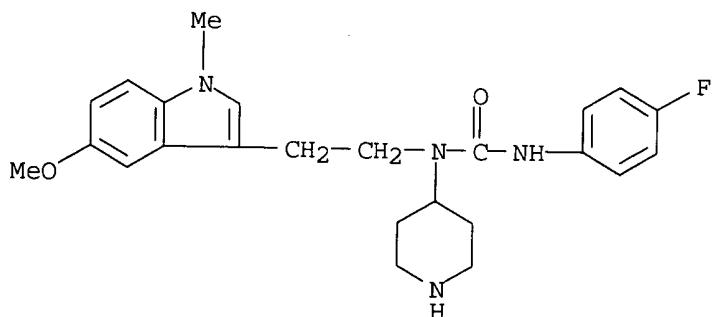
RN 344787-59-3 CAPLUS

CN Urea, N'-(4-cyanophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



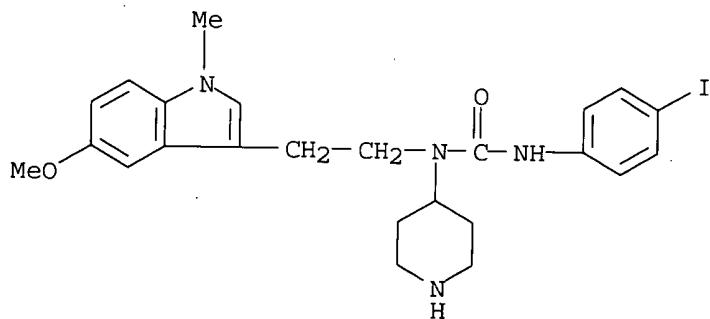
RN 344787-60-6 CAPLUS

CN Urea, N'-(4-fluorophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



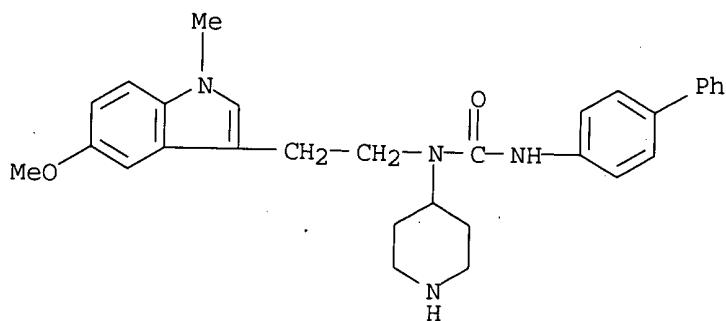
RN 344787-61-7 CAPLUS

CN Urea, N'-(4-iodophenyl)-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



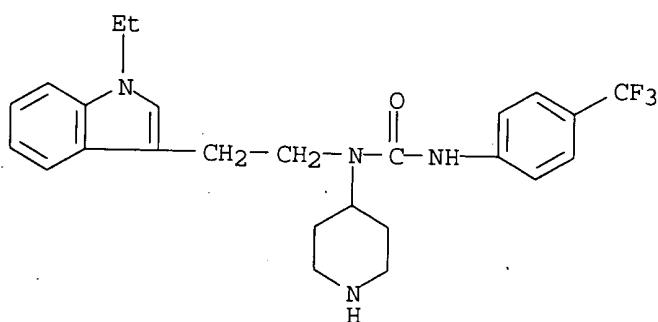
RN 344787-62-8 CAPLUS

CN Urea, N'-(1,1'-biphenyl)-4-yl-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



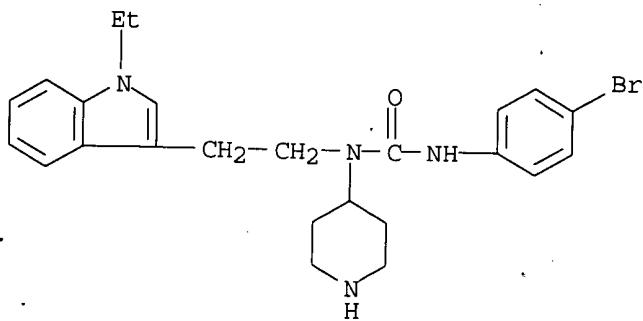
RN 344787-63-9 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



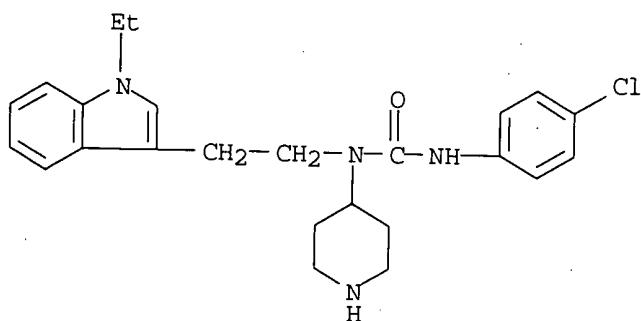
RN 344787-64-0 CAPLUS

CN Urea, N'-(4-bromophenyl)-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



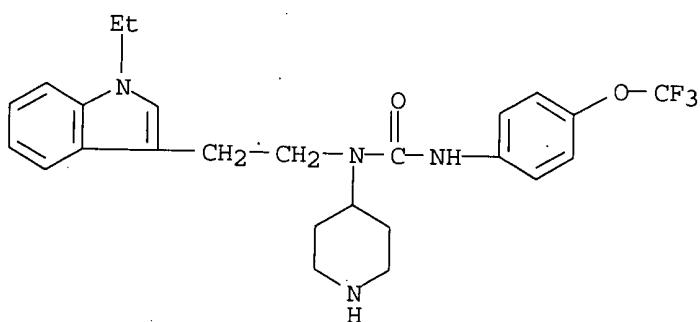
RN 344787-65-1 CAPLUS

CN Urea, N'-(4-chlorophenyl)-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



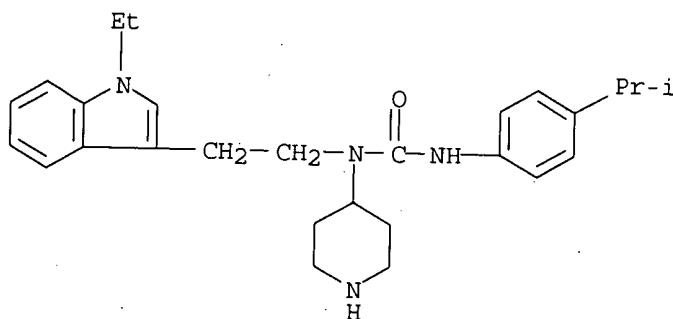
RN 344787-66-2 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethoxy)phenyl)- (9CI) (CA INDEX NAME)



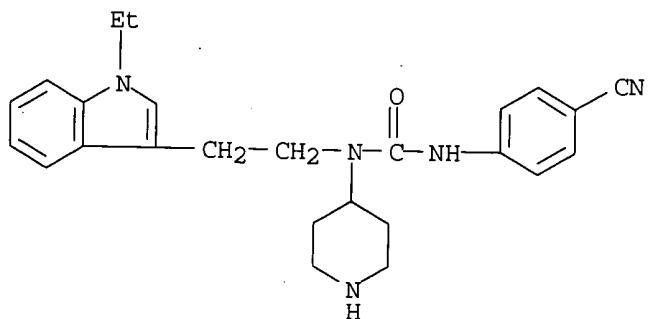
RN 344787-67-3 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N'-[4-(1-methylethyl)phenyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



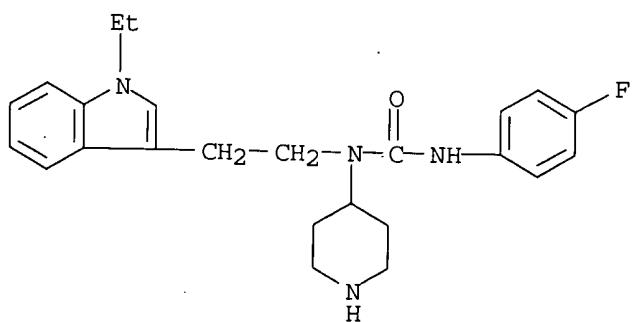
RN 344787-68-4 CAPLUS

CN Urea, N'-{(4-cyanophenyl)-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl}- (9CI) (CA INDEX NAME)



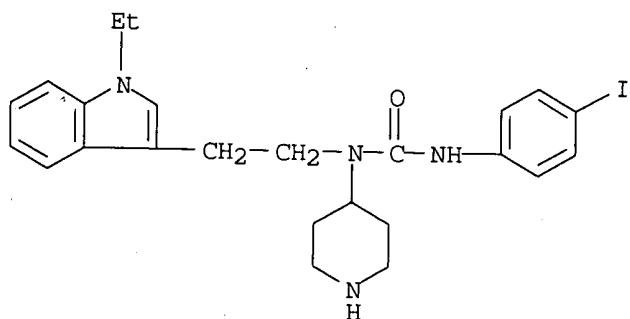
RN 344787-69-5 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N'-(4-fluorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



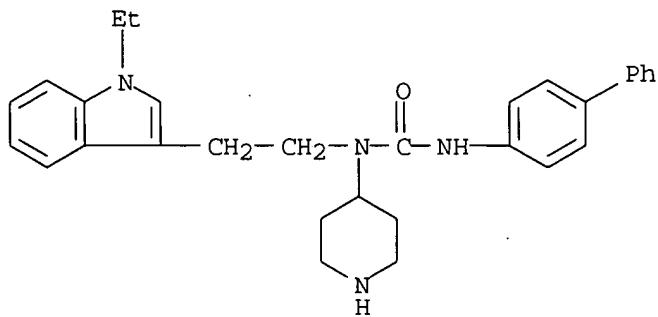
RN 344787-70-8 CAPLUS

CN Urea, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N'-(4-iodophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

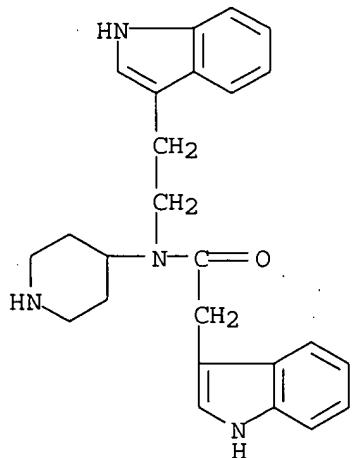


RN 344787-71-9 CAPLUS

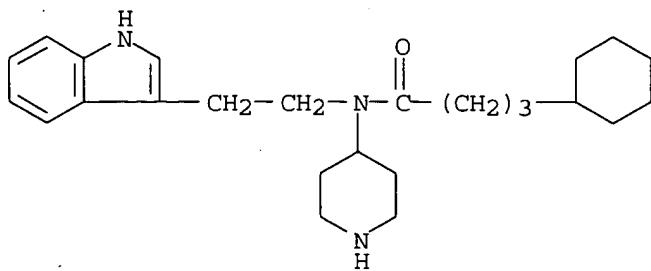
CN Urea, N'-[1,1'-biphenyl]-4-yl-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 344787-93-5 CAPLUS

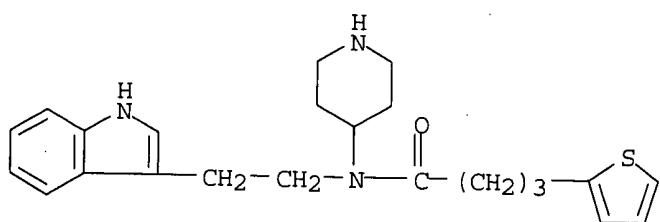
CN 1H-Indole-3-acetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

RN 344787-95-7 CAPLUS

CN Cyclohexanebutanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

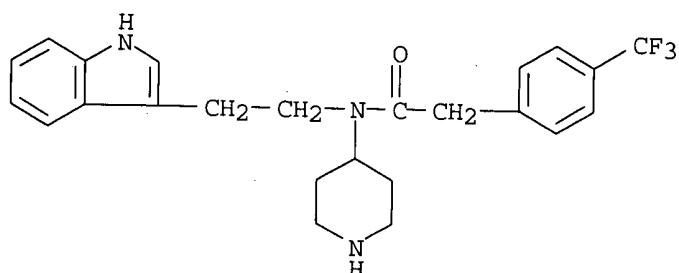
RN 344787-97-9 CAPLUS

CN 2-Thiophenebutanamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



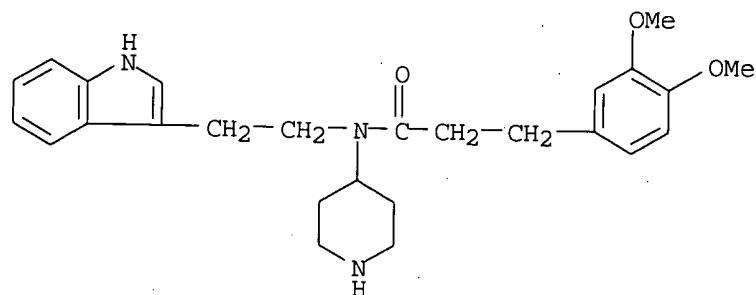
RN 344787-99-1 CAPLUS

CN Benzeneacetamide, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



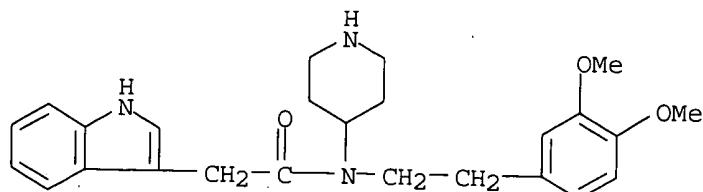
RN 344788-01-8 CAPLUS

CN Benzenepropanamide, N-[2-(1H-indol-3-yl)ethyl]-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

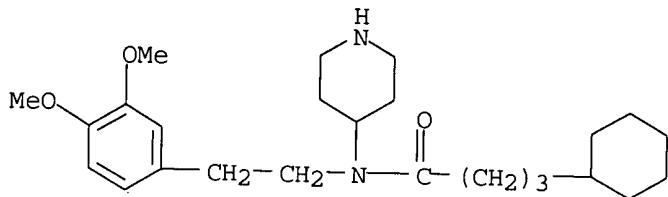


RN 344788-03-0 CAPLUS

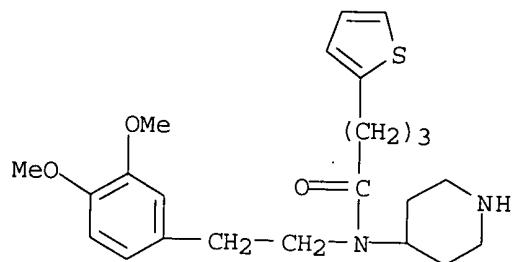
CN 1H-Indole-3-acetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



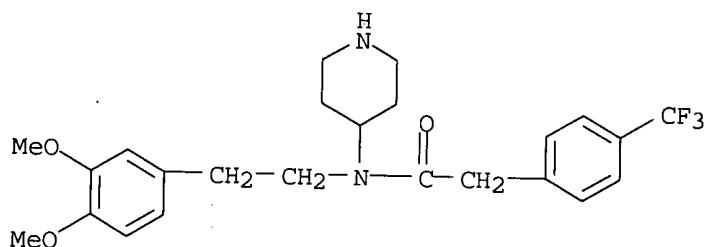
RN 344788-05-2 CAPLUS

CN Cyclohexanebutanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

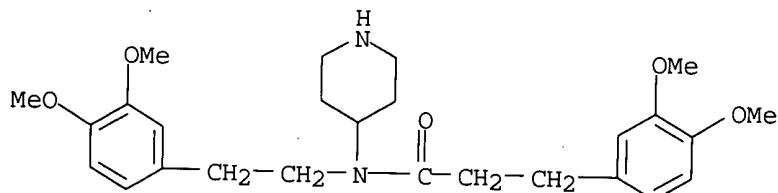
RN 344788-07-4 CAPLUS

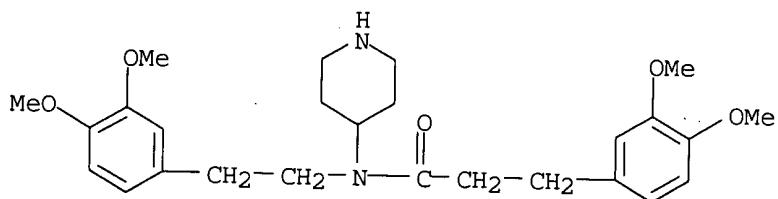
CN 2-Thiophenebutanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 344788-09-6 CAPLUS

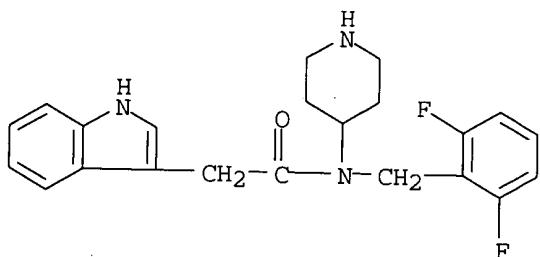
CN Benzeneacetamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-N-4-piperidinyl-4-
(trifluoromethyl)- (9CI) (CA INDEX NAME)

RN 344788-11-0 CAPLUS

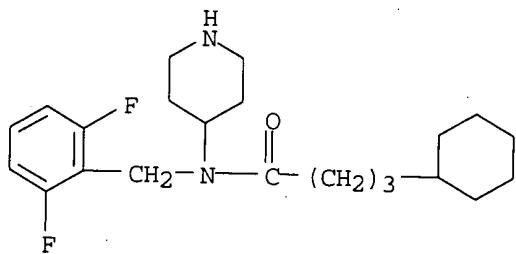
CN Benzenepropanamide, N-[2-(3,4-dimethoxyphenyl)ethyl]-3,4-dimethoxy-N-4-
piperidinyl- (9CI) (CA INDEX NAME)



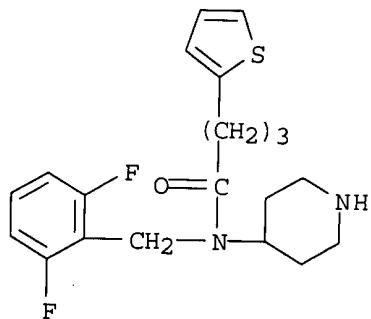
RN 344788-13-2 CAPLUS
 CN 1H-Indole-3-acetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-(9CI) (CA INDEX NAME)



RN 344788-15-4 CAPLUS
 CN Cyclohexanebutanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-(9CI) (CA INDEX NAME)

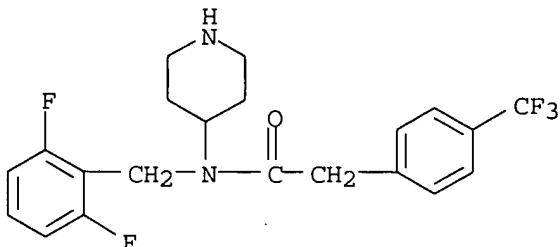


RN 344788-17-6 CAPLUS
 CN 2-Thiophenebutanamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-(9CI) (CA INDEX NAME)



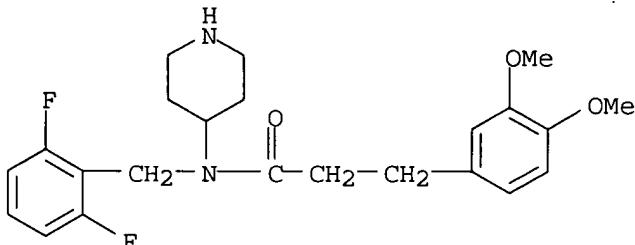
RN 344788-19-8 CAPLUS

CN Benzeneacetamide, N-[(2,6-difluorophenyl)methyl]-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



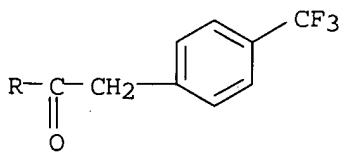
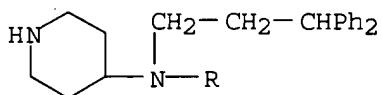
RN 344788-21-2 CAPLUS

CN Benzenepropanamide, N-[(2,6-difluorophenyl)methyl]-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



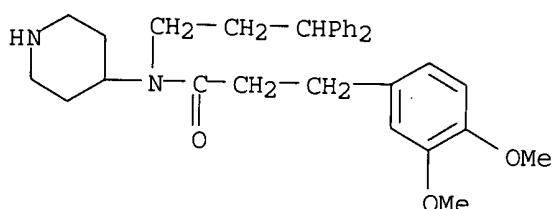
RN 344788-24-5 CAPLUS

CN Benzeneacetamide, N-(3,3-diphenylpropyl)-N-4-piperidinyl-4-(trifluoromethyl)- (9CI) (CA INDEX NAME)



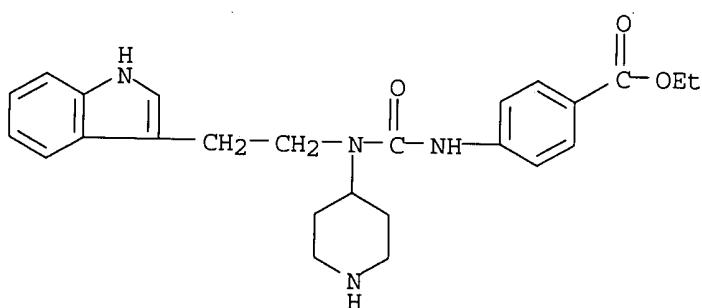
RN 344788-26-7 CAPLUS

CN Benzenepropanamide, N-(3,3-diphenylpropyl)-3,4-dimethoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)

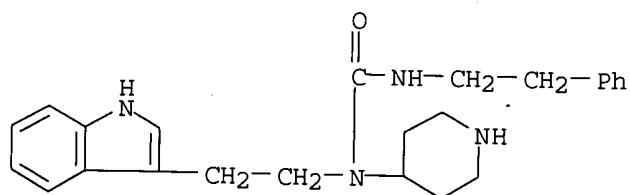


RN 344788-74-5 CAPLUS

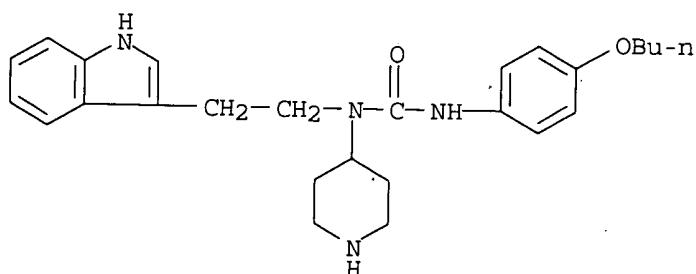
CN Benzoic acid, 4-[[[2-(1H-indol-3-yl)ethyl]-4-piperidinylamino]carbonyl]amino]-, ethyl ester (9CI) (CA INDEX NAME)



RN 344788-75-6 CAPLUS

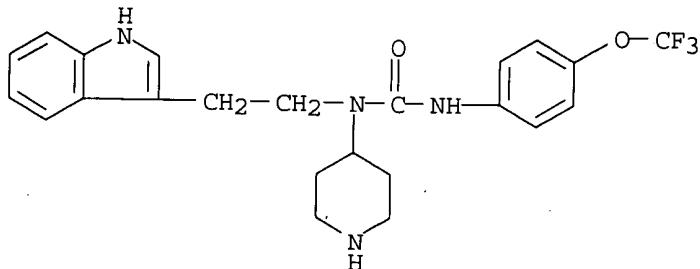
CN Urea, N-[2-(1H-indol-3-yl)ethyl]-N'-(2-phenylethyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

RN 344788-76-7 CAPLUS

CN Urea, N'-[(4-butoxyphenyl)-N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

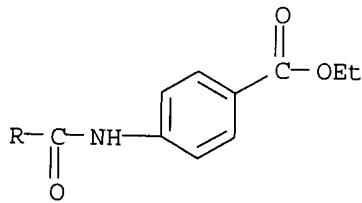
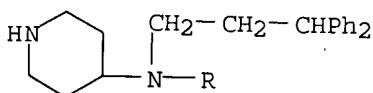
RN 344788-77-8 CAPLUS

CN Urea, N-[2-(1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethoxy)phenyl)-(9CI) (CA INDEX NAME)



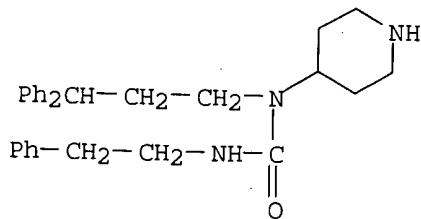
RN 344788-79-0 CAPLUS

CN Benzoic acid, 4-[[[(3,3-diphenylpropyl)-4-piperidinylamino]carbonyl]amino]-ethyl ester (9CI) (CA INDEX NAME)



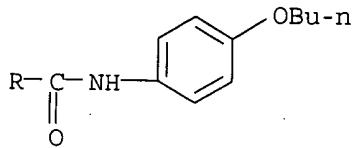
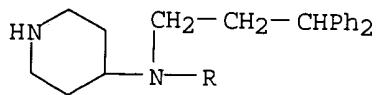
RN 344788-80-3 CAPLUS

CN Urea, N-(3,3-diphenylpropyl)-N'-(2-phenylethyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

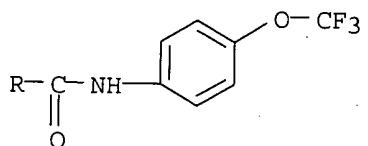
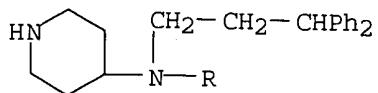


RN 344788-82-5 CAPLUS

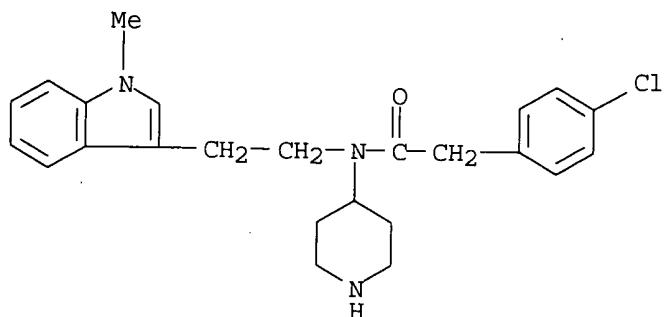
CN Urea, N'-(4-butoxyphenyl)-N-(3,3-diphenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



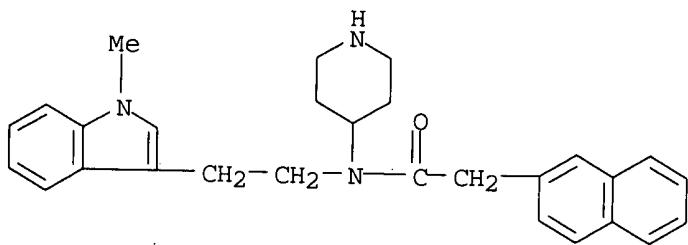
RN 344788-83-6 CAPLUS
 CN Urea, N-(3,3-diphenylpropyl)-N-4-piperidinyl-N'-[4-(trifluoromethoxy)phenyl]- (9CI) (CA INDEX NAME)



RN 344789-56-6 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)

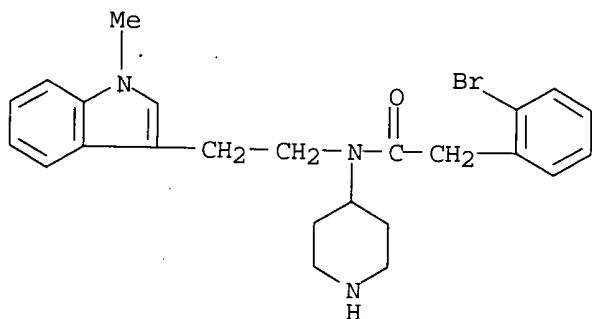


RN 344789-57-7 CAPLUS
 CN 2-Naphthaleneacetamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



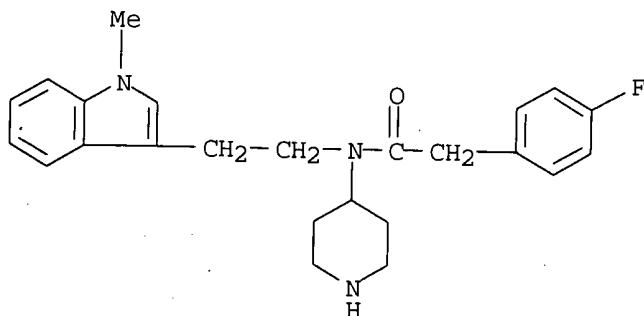
RN 344789-58-8 CAPLUS

CN Benzeneacetamide, 2-bromo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



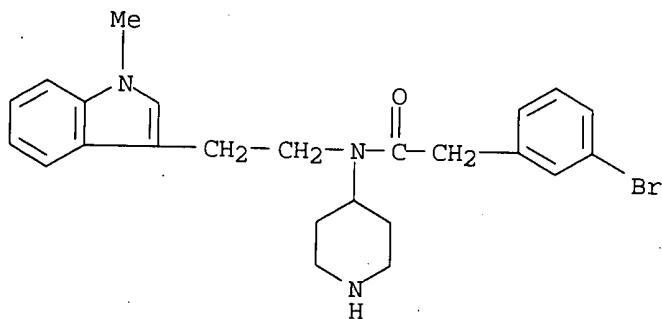
RN 344789-59-9 CAPLUS

CN Benzeneacetamide, 4-fluoro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



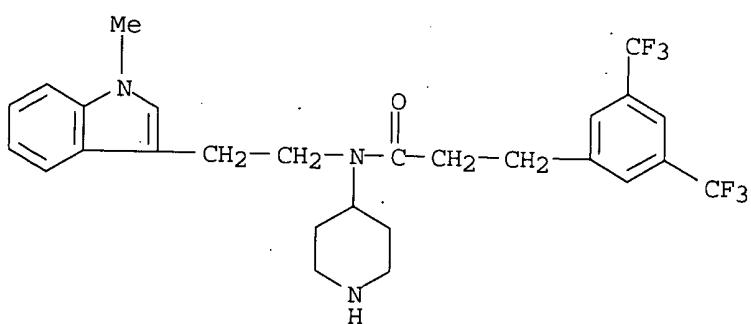
RN 344789-60-2 CAPLUS

CN Benzeneacetamide, 3-bromo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



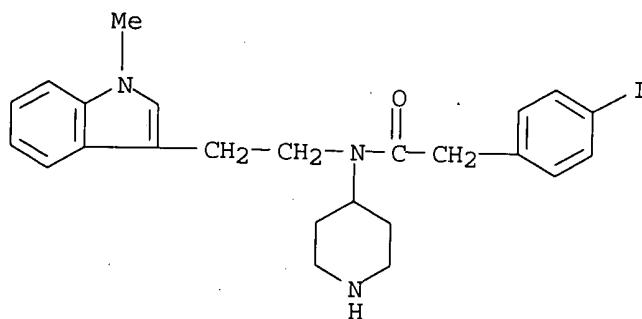
RN 344789-61-3 CAPLUS

CN Benzenepropanamide, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



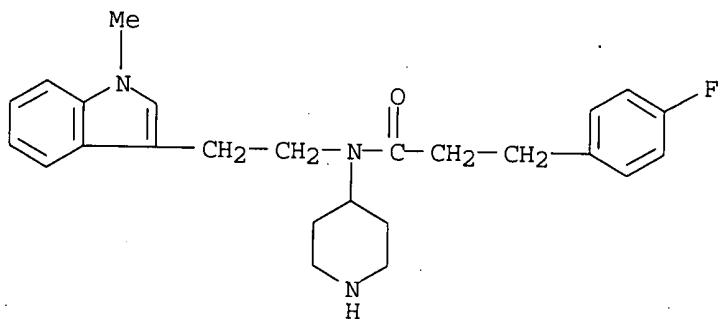
RN 344789-62-4 CAPLUS

CN Benzenepropanamide, 4-iodo-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



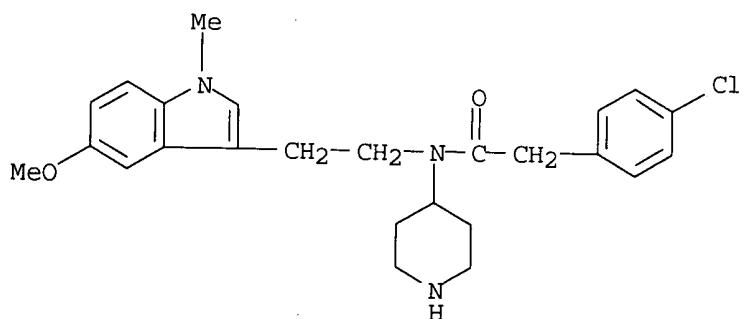
RN 344789-63-5 CAPLUS

CN Benzenepropanamide, 4-fluoro-N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



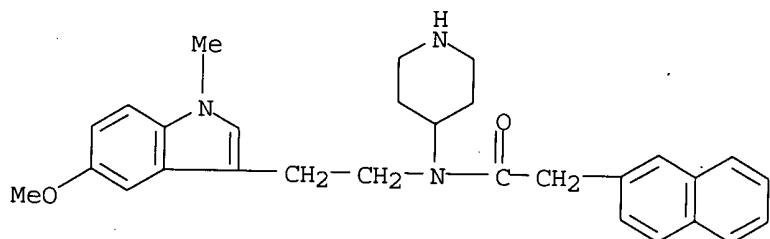
RN 344789-64-6 CAPLUS

CN Benzeneacetamide, 4-chloro-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



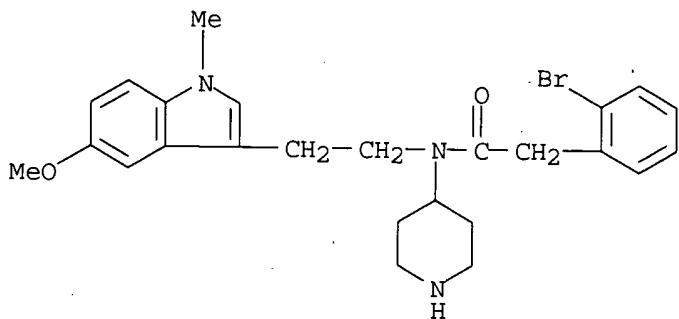
RN 344789-65-7 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



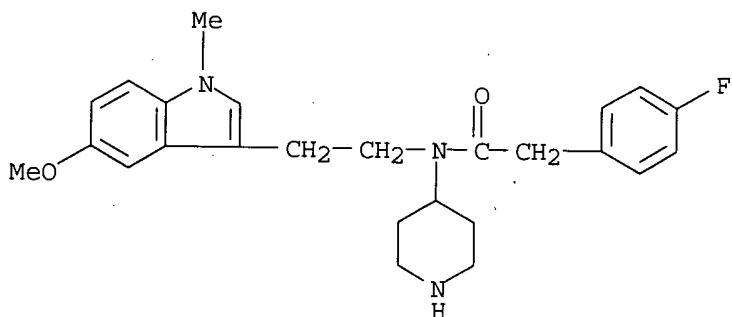
RN 344789-66-8 CAPLUS

CN Benzeneacetamide, 2-bromo-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



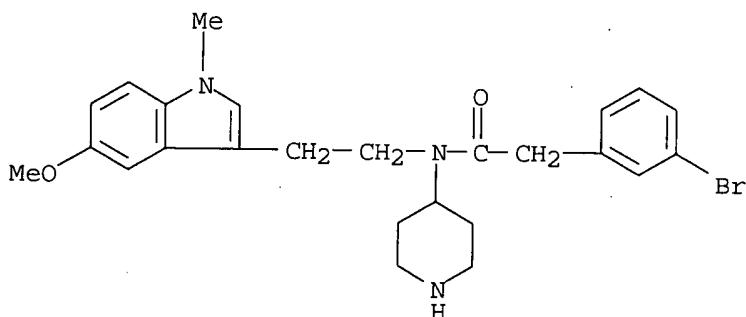
RN 344789-67-9 CAPLUS

CN Benzeneacetamide, 4-fluoro-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



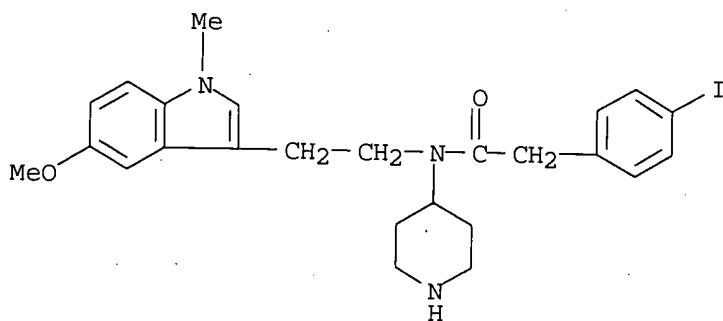
RN 344789-68-0 CAPLUS

CN Benzeneacetamide, 3-bromo-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



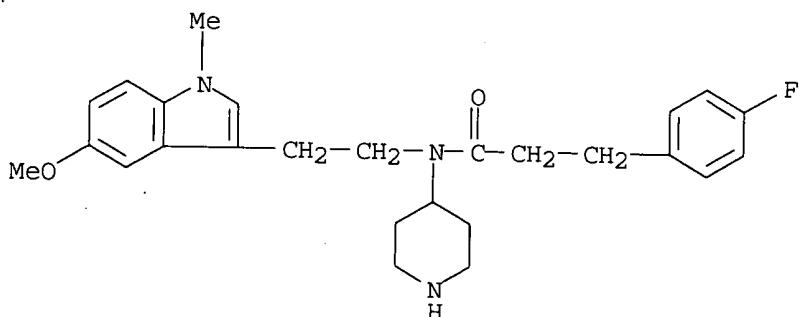
RN 344789-69-1 CAPLUS

CN Benzeneacetamide, 4-iodo-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



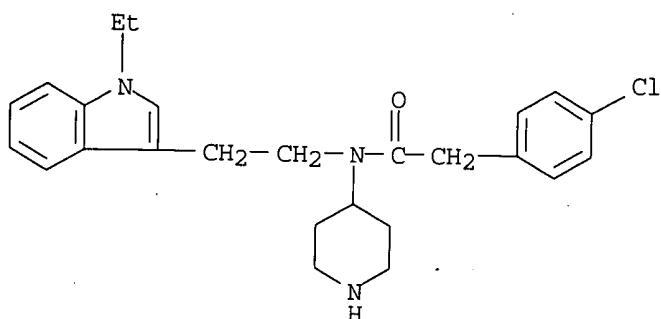
RN 344789-70-4 CAPLUS

CN Benzeneopropanamide, 4-fluoro-N-[2-(5-methoxy-1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



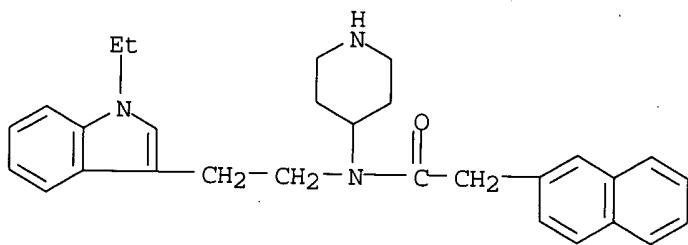
RN 344789-71-5 CAPLUS

CN Benzeneacetamide, 4-chloro-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



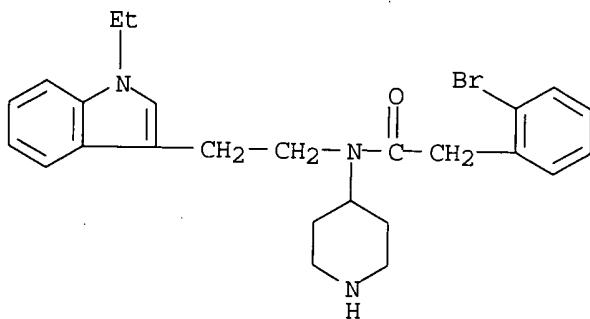
RN 344789-72-6 CAPLUS

CN 2-Naphthaleneacetamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



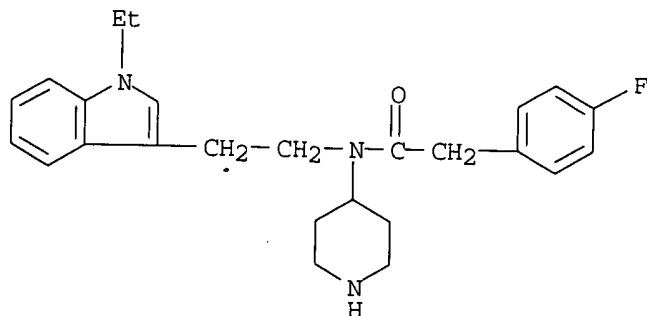
RN 344789-73-7 CAPLUS

CN Benzeneacetamide, 2-bromo-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



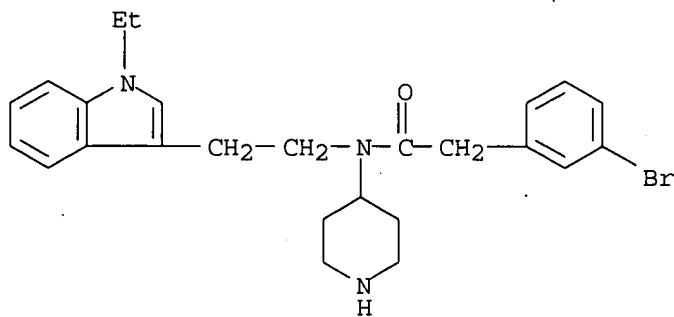
RN 344789-74-8 CAPLUS

CN Benzeneacetamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



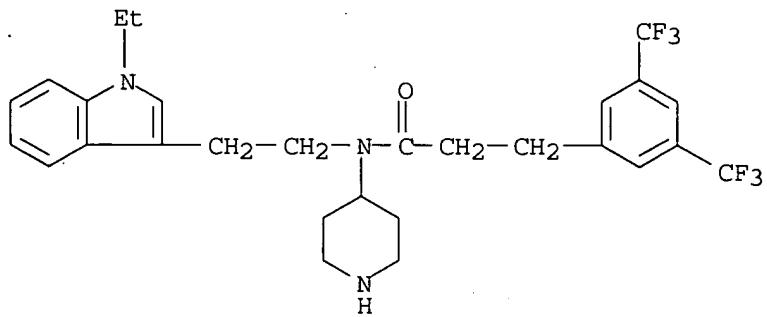
RN 344789-75-9 CAPLUS

CN Benzeneacetamide, 3-bromo-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



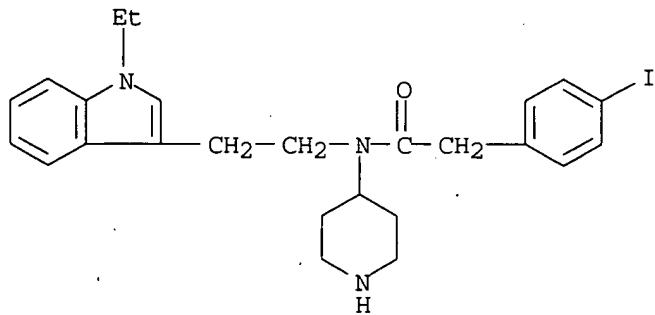
RN 344789-76-0 CAPLUS

CN Benzenepropanamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-3,5-bis(trifluoromethyl)- (9CI) (CA INDEX NAME)



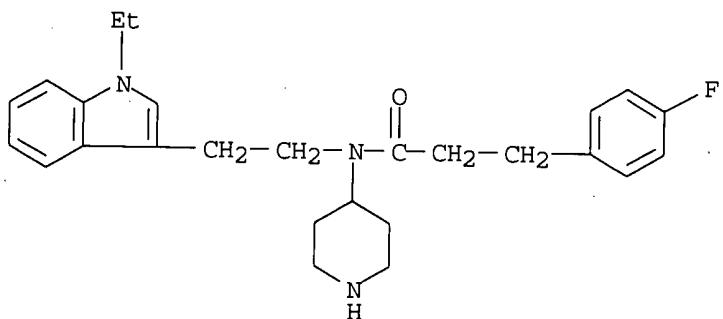
RN 344789-77-1 CAPLUS

CN Benzenacetamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-4-iodo-N-4-piperidinyl- (9CI) (CA INDEX NAME)



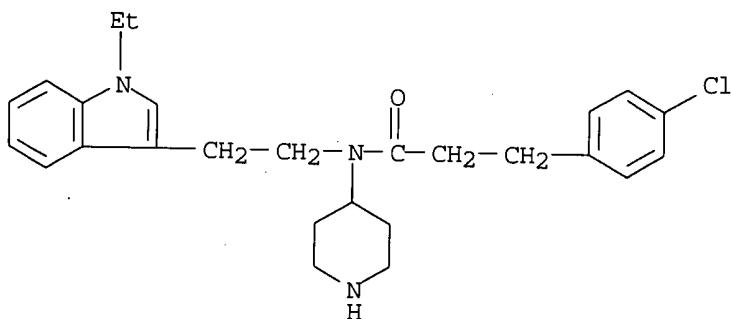
RN 344789-78-2 CAPLUS

CN Benzenepropanamide, N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



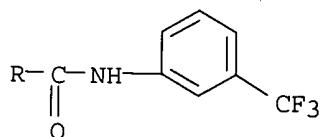
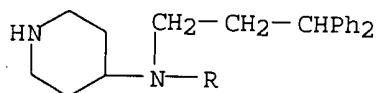
RN 344789-79-3 CAPLUS

CN Benzenepropanamide, 4-chloro-N-[2-(1-ethyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



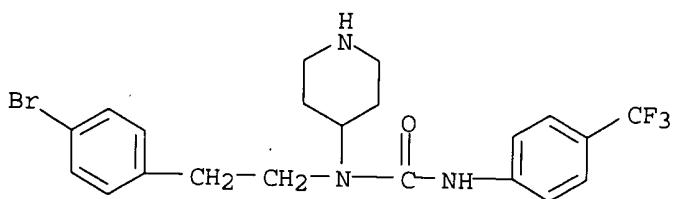
RN 344790-73-4 CAPLUS

CN Urea, N-(3,3-diphenylpropyl)-N-4-piperidinyl-N'-(3-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



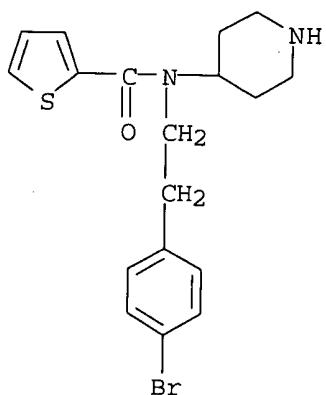
RN 344790-74-5 CAPLUS

CN Urea, N-[2-(4-bromophenyl)ethyl]-N-4-piperidinyl-N'-(4-(trifluoromethyl)phenyl)- (9CI) (CA INDEX NAME)



RN 344790-76-7 CAPLUS

CN 2-Thiophenecarboxamide, N-[2-(4-bromophenyl)ethyl]-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



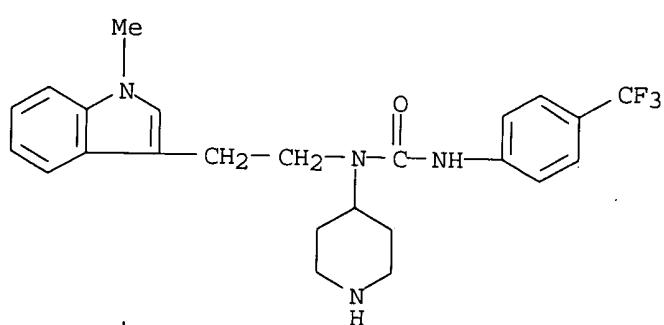
IT 344787-45-7DP, resin-bound

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

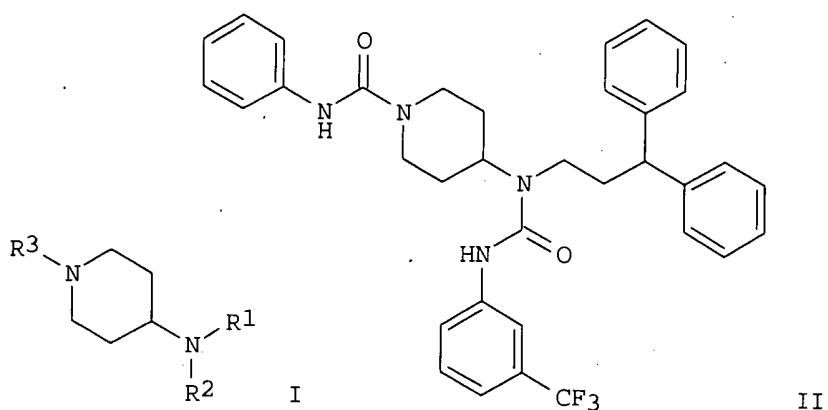
(intermediate; prepn. of aminopiperidine derivs. as somatostatin receptor ligands)

RN 344787-45-7 CAPLUS

CN Urea, N-[2-(1-methyl-1H-indol-3-yl)ethyl]-N-4-piperidinyl-N'-(4-trifluoromethylphenyl)- (9CI) (CA INDEX NAME)



GI



AB The invention concerns novel 4-aminopiperidine derivs. I [R1 = alkyl, alkenyl, alkynyl, $(CH_2)_mYZ_1$, $(CH_2)_mZ_2$, 1-benzylpiperidin-4-yl, 2-naphthylcarbamoyl, 4-benzylpiperazin-1-yl, 2-acetamidoethyl; Z1 = alkyl or (un)substituted aryl; Z2 = cyano, cyclohexenyl, bis-Ph, **cycloalkyl**, (un)substituted heterocycloalkyl, aryl, heteroaryl, etc.; R2 = C(Y)NHX1, C(O)X2, SO₂X3; R3 = H, (un)substituted alkyl, alkenyl, alkynyl, aralkyl, C(Y)NHX1, $(CH_2)_nC(O)X_2$, SO₂X3, etc.; X1 = alkyl, alkenyl, alkynyl, aryl, aralkyl, etc.; X2 = wide variety of groups; X3 = alkyl, alkenyl, phenylalkenyl, CF₃, (un)substituted (hetero)aryl or -aralkyl; Y = O, S; n = 0-4; m = 1-6]. Also disclosed are methods for their prepn. by parallel synthesis processes in liq. and solid phase. I have good affinity for certain sub-types of somatostatin receptors, and are particularly useful for treating pathol. conditions or diseases wherein one more somatostatin receptor sub-types are involved. Claims specifically mention acromegaly, pituitary adenoma, or endocrine gastroenteropancreatic tumors in carcinoid syndrome. A table of 778 compds. I is given, and several syntheses are described in detail. For instance, N-BOC-4-piperidone underwent reductive amination with 3,3-diphenylpropylamine and NaBH(OAc)₃, followed by reaction with 3-trifluoromethylphenyl isocyanate, removal of the BOC group with CF₃CO₂H, and reaction with Ph isocyanate, to give title compd. II. Some compds. I had sub-micromolar Ki for at least one of five tested somatostatin receptor subtypes (no data).

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS
 AN 1995:648089 CAPLUS
 DN 123:55707
 TI Preparation of hindered bis(piperidinylaminocarbonyl)benzene derivatives as photostabilizers
 IN Minafuji, Mitsumasa; Seko, Toshio; Sasaki, Satoru
 PA Mitsubishi Kagaku Kk, Japan
 SO Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----------------|------|----------|-----------------|----------|
| PI JP 07033738 | A2 | 19950203 | JP 1993-181691 | 19930722 |

JP 1993-181691 19930722

OS MARPAT 123:55707

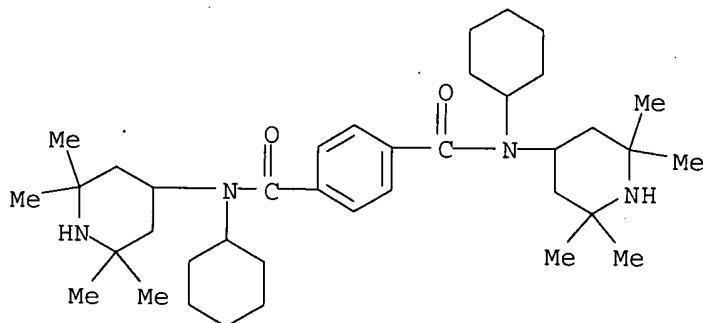
IT 164343-22-0P 164343-24-2P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate for prepn. of hindered bis(piperidinylaminocarbonyl)benzene derivs. as photostabilizers)

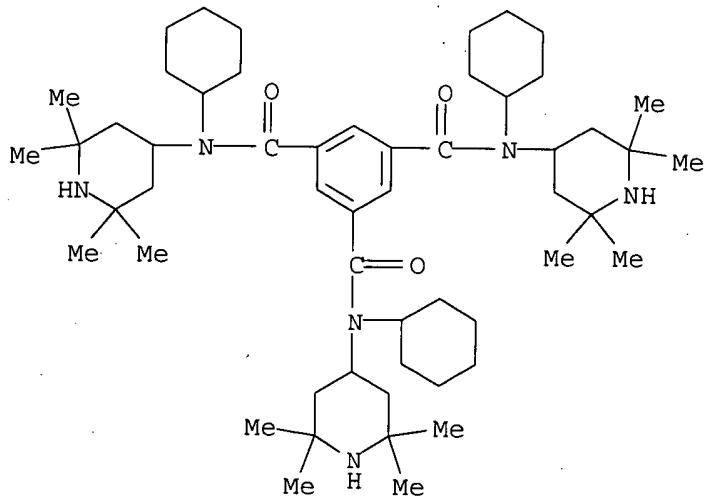
RN 164343-22-0 CAPPLUS

CN 1,4-Benzenedicarboxamide, N,N'-dicyclohexyl-N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

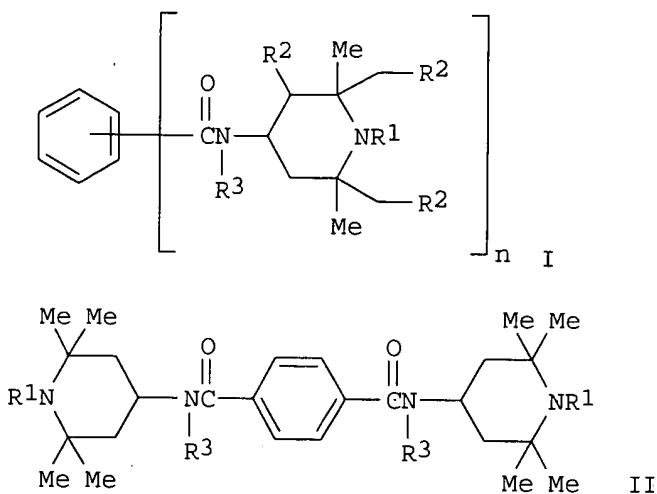


RN 164343-24-2 CAPPLUS

CN 1,3,5-Benzenetricarboxamide, N,N',N''-tricyclohexyl-N,N',N''-tris(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)



GI



AB The title compds. (I; R₁ = C₁-4 alkyl; R₂ = H, Me; R₃ = C₁-20 alkyl, **cycloalkyl**, aryl, arylalkyl; n = 1-4), which are solid photostabilizers for easy handling, and show excellent radical-scavenging capability and compatibility with resins, are prep'd. Thus, 8.5 g terephthaloyl chloride was added to a stirred mixt. of 19.1 g 4-cyclohexylamino-2,2,6,6-tetramethylpiperidine, 16.2 g Et₃N, and 300 mL 1,4-dioxane followed by stirring the mixt. at room temp. for 8 h to give a precursor (II; R₁ = H, R₃ = cyclohexyl), which was methylated by 37% formaldehyde and formic acid in dioxane to give a title compd. II (R₁ = Me, R₃ = cyclohexyl) (70% overall yield) (III). An isotactic polypropylene sheet contg. 0.2 wt. part/100 wt. part polypropylene showed photodegrdn. after irradiating it with a 65/XW-WR xenon weather meter at 80.degree. for 680 h vs. 460 h for a polypropylene sheet contg. II (R₁ = R₃ = H).

L7 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS
 AN 1987:120862 CAPLUS
 DN 106:120862
 TI Hindered piperidinyl derivatives of tetrahydrofuran carboxylic acid as stabilizers
 IN Helwig, Reinhard; Neumann, Peter; Trauth, Hubert; Aumueller, Alexander
 PA BASF A.-G., Fed. Rep. Ger.
 SO Ger. Offen., 12 pp.
 CODEN: GWXXBX
 DT Patent
 LA German
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------------------|------|----------|-----------------|----------|
| PI | DE 3522678 | A1 | 19870108 | DE 1985-3522678 | 19850625 |
| | US 4703072 | A | 19871027 | US 1986-874864 | 19860616 |
| | | | | DE 1985-3522678 | 19850625 |
| | EP 207396 | A1 | 19870107 | EP 1986-108428 | 19860620 |
| | EP 207396 | B1 | 19890419 | | |
| | R: CH, DE, FR, GB, IT, LI | | | | |
| | JP 62011770 | A2 | 19870120 | DE 1985-3522678 | 19850625 |
| | | | | JP 1986-145020 | 19860623 |
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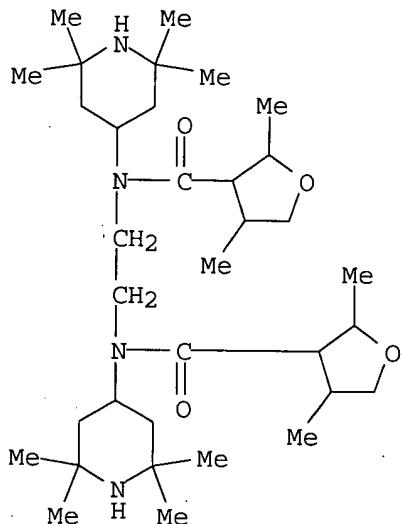
OS CASREACT 106:120862

IT 107187-20-2P

RL: PREP (Preparation)
(prepn. of, as stabilizer for polymers)

RN 107187-20-2 CAPLUS

CN 3-Furancarboxamide, N,N'-1,2-ethanediylbis[tetrahydro-2,4-dimethyl-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

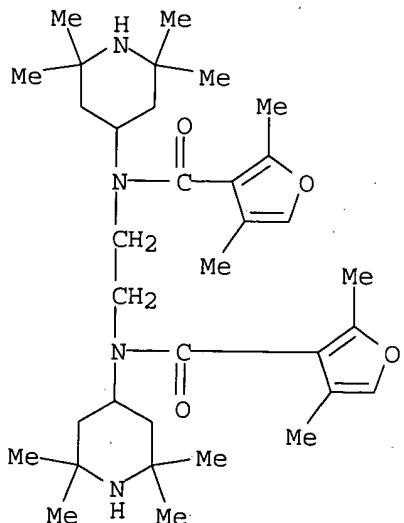


IT 107187-27-9P

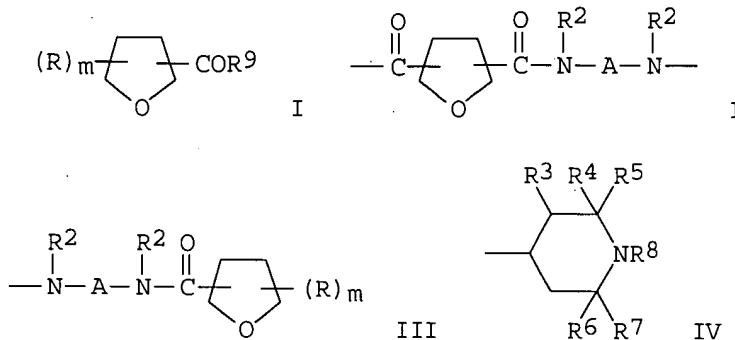
RL: PREP (Preparation)
(prepn. of, as stabilizers for polymers)

RN 107187-27-9 CAPLUS

CN 3-Furancarboxamide, N,N'-1,2-ethanediylbis[2,4-dimethyl-N-(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)]



GI



AB Title derivs. I and II polymers ($R = C1-4$ alkyl, cyclohexyl, Ph; $m = 0-3$; $n = 1$ or 2 ; $R9 = DR2, NR1R2$, or III, and, as a polymer end-group, Cl or OH at the CO group and H at the NR2 group; A = bridging group; $R1 = H, C2-6$ alkenyl, $C1-12$ alkyl or $C5-7$ **cycloalkyl** broken by $\cdot 1$ to $\cdot 3$ O; $R2 = IV$ ($R3 = H, Me; R4-7 = Me, Et; R8 = H, C1-8$ alkyl, $C3-8$ alkenyl, $C2-4$ hydroxyalkyl, aralkyl) and their salts are prep'd. and are useful at $0.01-5$ wt.% as stabilizers for org. materials (e.g., polyolefins and lacquers). 2,5-Dimethylfuran-3-carboxylic acid 2,2,6,6-tetramethyl-4-piperidinyl ester (15 g) in 150 mL MeOH was reduced in the presence of 3 g Raney Ni at 150.degree./160 bar to const. pressure (.apprx.5 h), the catalyst was filtered off, and the mixt. concd. Gas chromatog. anal. showed 2 isomeric products (12:88 ratio), and distn. in vacuo gave 12 g colorless oil (V) b. 120-126/0.5 mbar. Polypropylene contg. 0.25 phr V extruded twice at 220.degree., pressed to 200-.mu.m sheets, and stored 14 days in the dark at 25.degree. showed no surface coating. Aging of 2 sheets for 1 yr gave CO nos. of 3.33 and 5.73 and clear plates, compared with 7.22 and 11.0 and haze for a control contg. 0.25 phr Chimassorb 944 instead of V.

L7 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS

AN 1980:532380 CAPLUS

DN 93:132380

TI N-Aryl-N-(4-piperidinyl)arylacetamides

IN Hermans, Hubert K. F.; Sanczuk, Stefan

PA Janssen Pharmaceutica N. V., Belg.

SO U.S., 24 pp. Division of U. S. 4,126,689.

CODEN: USXXAM

DT Patent

LA English

FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| PI | US 4197303 | A | 19800408 | US 1978-924530 | 19780713 |
| | | | | US 1975-615131 | 19750923 |
| | | | | US 1976-700351 | 19760628 |
| | | | | US 1976-700352 | 19760628 |
| | | | | US 1976-700635 | 19760628 |
| | | | | US 1976-700636 | 19760628 |
| | | | | US 1976-700637 | 19760628 |
| | | | | US 1976-700638 | 19760628 |

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| | | | US 1976-700694 | 19760628 |
| | | | US 1976-713756 | 19760812 |
| | | | US 1977-795669 | 19770511 |
| ZA 7605684 | A | 19780426 | ZA 1976-5684 | 19760922 |
| | | | US 1975-615131 | 19750923 |
| BE 846473 | A2 | 19770323 | BE 1976-170847 | 19760923 |
| | | | US 1975-615131 | 19750923 |
| US 4126689 | A | 19781121 | US 1977-795669 | 19770511 |
| | | | US 1975-615131 | 19750923 |
| | | | US 1976-700351 | 19760628 |
| | | | US 1976-700352 | 19760628 |
| | | | US 1976-700635 | 19760628 |
| | | | US 1976-700636 | 19760628 |
| | | | US 1976-700637 | 19760628 |
| | | | US 1976-700638 | 19760628 |
| | | | US 1976-700694 | 19760628 |
| | | | US 1976-713756 | 19760812 |
| DK 8404534 | A | 19840921 | DK 1984-4534 | 19840921 |
| DK 153474 | B | 19880718 | | |
| DK 153474 | C | 19881205 | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| | | | DK 1976-4278 | 19760922 |

PATENT FAMILY INFORMATION:

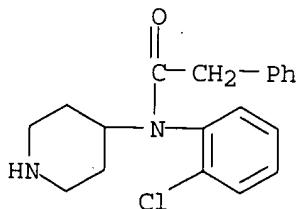
FAN 1977:453094

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|------------|------|----------|-----------------|----------|
| PI | DE 2642856 | A1 | 19770324 | DE 1976-2642856 | 19760923 |
| | DE 2642856 | C2 | 19900621 | | |
| | | | | US 1975-615131 | 19750923 |
| | | | | US 1976-713756 | 19760812 |
| NO | 7603054 | A | 19770324 | NO 1976-3054 | 19760906 |
| NO | 147672 | B | 19830214 | | |
| NO | 147672 | C | 19830525 | | |
| | | | | US 1975-615131 | 19750923 |
| | | | | US 1976-713756 | 19760812 |
| FR | 2325377 | A1 | 19770422 | FR 1976-27870 | 19760916 |
| | FR 2325377 | B1 | 19800418 | | |
| | | | | US 1975-615131 | 19750923 |
| | | | | US 1976-713756 | 19760812 |
| AU | 7617878 | A1 | 19780323 | AU 1976-17878 | 19760917 |
| AU | 510029 | B2 | 19800605 | | |
| | | | | US 1975-615131 | 19750923 |
| | | | | US 1976-713756 | 19760812 |
| CA | 1068271 | A1 | 19791218 | CA 1976-261551 | 19760920 |
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| RO | 70079 | P | 19821026 | RO 1976-87590 | 19760920 |
| | | | | US 1975-615131 | 19750923 |
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| JP | 52039683 | A2 | 19770328 | JP 1976-112527 | 19760921 |
| JP | 60016417 | B4 | 19850425 | | |
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| GB | 1539473 | A | 19790131 | GB 1976-39099 | 19760921 |
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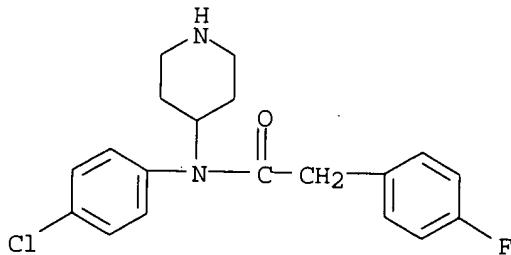
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| CH 628623 | A | 19820315 | CH 1976-11948 | 19760921 |
| | | | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| FI 7602698 | A | 19770324 | FI 1976-2698 | 19760922 |
| FI 61482 | B | 19820430 | | |
| FI 61482 | C | 19820810 | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| DK 7604278 | A | 19770324 | DK 1976-4278 | 19760922 |
| DK 150478 | B | 19870309 | | |
| DK 150478 | C | 19871005 | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| SE 7610501 | A | 19770324 | SE 1976-10501 | 19760922 |
| SE 427839 | B | 19830509 | | |
| SE 427839 | C | 19830818 | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| NL 7610513 | A | 19770325 | NL 1976-10513 | 19760922 |
| NL 187267 | B | 19910301 | | |
| NL 187267 | C | 19910801 | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| ZA 7605684 | A | 19780426 | ZA 1976-5684 | 19760922 |
| | | | US 1975-615131 | 19750923 |
| ES 451768 | A1 | 19780501 | ES 1976-451768 | 19760922 |
| | | | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| HU 172964 | P | 19790128 | HU 1976-JA767 | 19760922 |
| | | | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| AT 7607029 | A | 19810215 | AT 1976-7029 | 19760922 |
| AT 363935 | B | 19810910 | | |
| | | | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| PL 117323 | B1 | 19810731 | PL 1976-216213 | 19760922 |
| | | | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| CS 222663 | P | 19830729 | CS 1976-6139 | 19760922 |
| | | | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| BE 846473 | A2 | 19770323 | BE 1976-170847 | 19760923 |
| | | | US 1975-615131 | 19750923 |
| SU 747424 | D | 19800723 | SU 1976-2405548 | 19760923 |
| | | | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| DK 8404534 | A | 19840921 | DK 1984-4534 | 19840921 |
| DK 153474 | B | 19880718 | | |
| DK 153474 | C | 19881205 | US 1975-615131 | 19750923 |
| | | | US 1976-713756 | 19760812 |
| | | | DK 1976-4278 | 19760922 |
| FAN 1979:121243 | | | | |
| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
| ----- | ----- | ----- | ----- | ----- |
| PI US 4126689 | A | 19781121 | US 1977-795669 | 19770511 |

| | | | | |
|------------|----|----------|----------------|----------|
| | | | US 1975-615131 | 19750923 |
| | | | US 1976-700351 | 19760628 |
| | | | US 1976-700352 | 19760628 |
| | | | US 1976-700635 | 19760628 |
| | | | US 1976-700636 | 19760628 |
| | | | US 1976-700637 | 19760628 |
| | | | US 1976-700638 | 19760628 |
| | | | US 1976-700694 | 19760628 |
| | | | US 1976-713756 | 19760812 |
| ZA 7605684 | A | 19780426 | ZA 1976-5684 | 19760922 |
| BE 846473 | A2 | 19770323 | US 1975-615131 | 19750923 |
| US 4151286 | A | 19790424 | BE 1976-170847 | 19760923 |
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| | | | US 1976-700637 | 19760628 |
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| | | | US 1976-713756 | 19760812 |
| | | | US 1977-795669 | 19770511 |
| US 4197304 | A | 19800408 | US 1978-924487 | 19780713 |
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| | | | US 1976-700637 | 19760628 |
| | | | US 1976-700638 | 19760628 |
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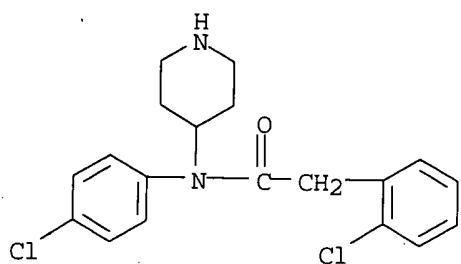
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| | | US 1977-795669 | 19770511 |
| US 4225606 | A 19800930 | US 1978-924486 | 19780713 |
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| | | US 1976-713756 | 19760812 |
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| DK 153474 | B 19880718 | DK 1984-4534 | 19840921 |
| DK 153474 | C 19881205 | US 1975-615131 | 19750923 |
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| IT | 63258-70-8P 63258-75-3P 63258-78-6P
63258-86-6P 63258-92-4P | | |
| | RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation) | | |
| RN | 63258-70-8 CAPPLUS | | |
| CN | Benzeneacetamide, N-(2-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME) | | |



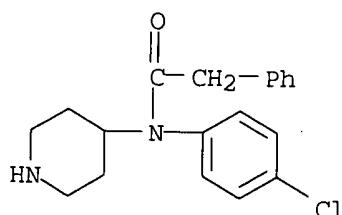
RN 63258-75-3 CAPPLUS
 CN Benzeneacetamide, N-(4-chlorophenyl)-4-fluoro-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 63258-78-6 CAPPLUS
 CN Benzeneacetamide, 2-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

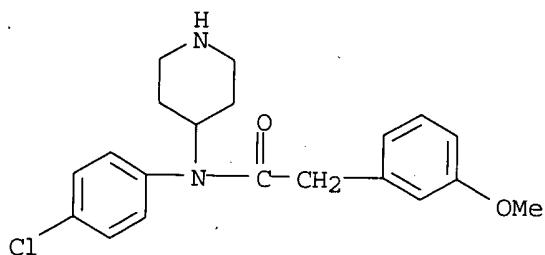


RN 63258-86-6 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-, monohydrochloride
(9CI) (CA INDEX NAME)

● HCl

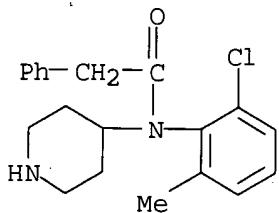
RN 63258-92-4 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-3-methoxy-N-4-piperidinyl- (9CI) (CA
INDEX NAME)IT 63258-71-9P 63258-72-0P 63258-73-1P
63258-74-2P 63258-76-4P 63258-77-5P
63258-79-7P 63258-80-0P 63258-81-1P
63258-82-2P 63258-84-4P 63258-87-7P
63258-90-2P 63258-91-3P 63260-75-3P
63260-76-4P 74555-85-4P 74555-86-5PRL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
(Reactant or reagent)

(prep. and N-alkylation of)

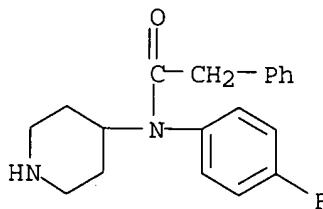
RN 63258-71-9 CAPLUS

CN Benzeneacetamide, N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



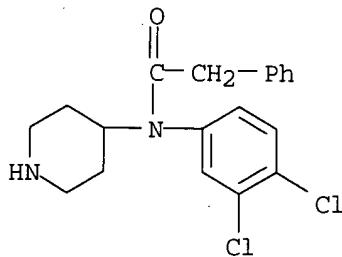
RN 63258-72-0 CAPLUS

CN Benzeneacetamide, N-(4-fluorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



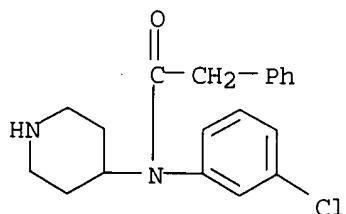
RN 63258-73-1 CAPLUS

CN Benzeneacetamide, N-(3,4-dichlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



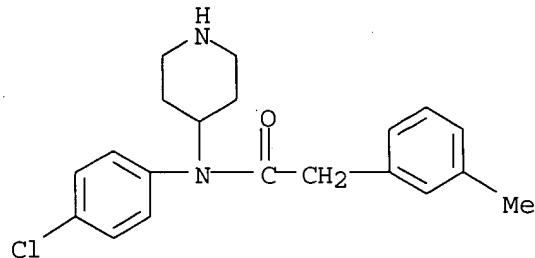
RN 63258-74-2 CAPLUS

CN Benzeneacetamide, N-(3-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



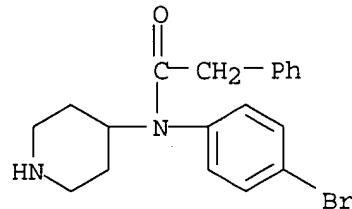
RN 63258-76-4 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-3-methyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



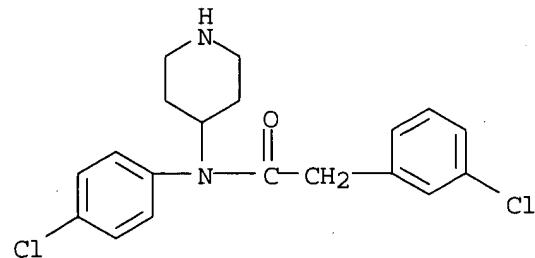
RN 63258-77-5 CAPLUS

CN Benzeneacetamide, N-(4-bromophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



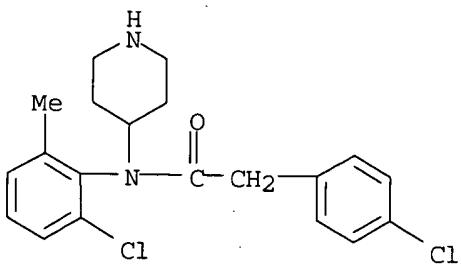
RN 63258-79-7 CAPLUS

CN Benzeneacetamide, 3-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



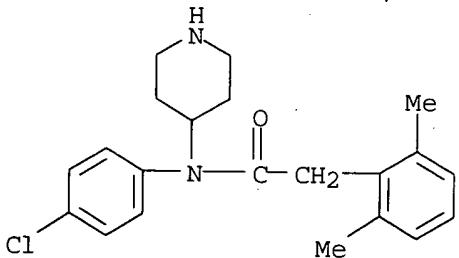
RN 63258-80-0 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(2-chloro-6-methylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



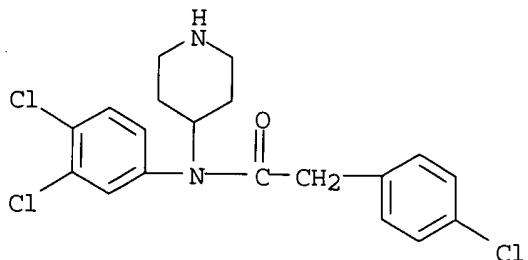
RN 63258-81-1 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-2,6-dimethyl-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



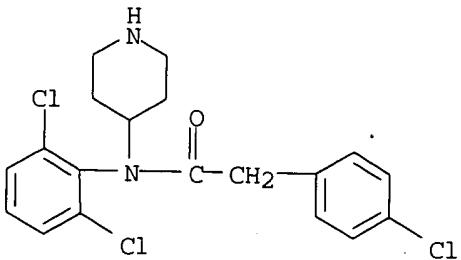
RN 63258-82-2 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(3,4-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



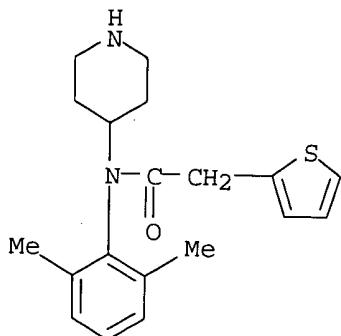
RN 63258-84-4 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(2,6-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)



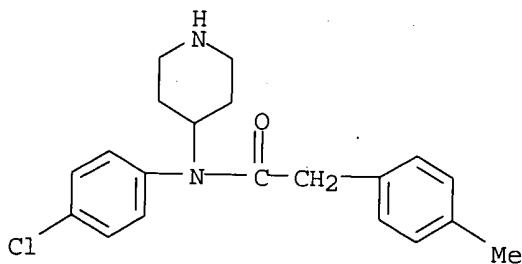
RN 63258-87-7 CAPLUS

CN 2-Thiopheneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



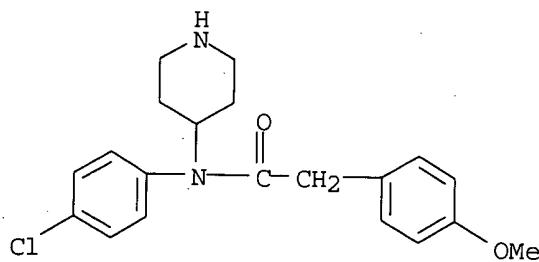
RN 63258-90-2 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-4-methyl-N-4-piperidinyl- (9CI) (CA INDEX NAME)



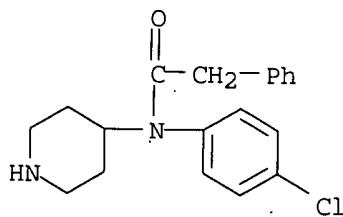
RN 63258-91-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



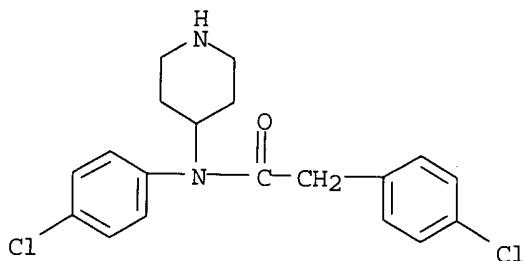
RN 63260-75-3 CAPLUS

CN Benzeneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



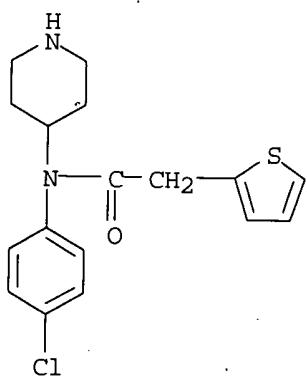
RN 63260-76-4 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



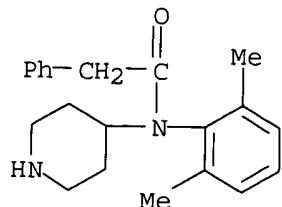
RN 74555-85-4 CAPLUS

CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



RN 74555-86-5 CAPLUS

CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

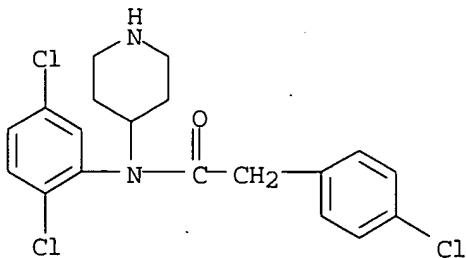


IT 63258-83-3P 63258-85-5P 63258-88-8P

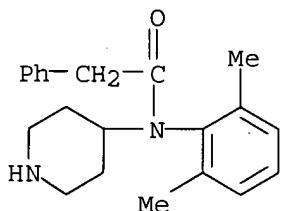
63258-89-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of)

RN 63258-83-3 CAPLUS

CN Benzeneacetamide, 4-chloro-N-(2,5-dichlorophenyl)-N-4-piperidinyl- (9CI)
(CA INDEX NAME)

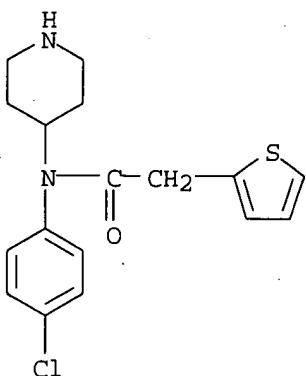
RN 63258-85-5 CAPLUS

CN Benzeneacetamide, N-(2,6-dimethylphenyl)-N-4-piperidinyl-,
monohydrobromide (9CI) (CA INDEX NAME)

● HBr

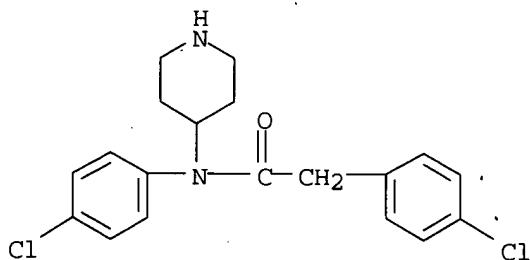
RN 63258-88-8 CAPLUS

CN 2-Thiopheneacetamide, N-(4-chlorophenyl)-N-4-piperidinyl-,
monohydrochloride (9CI) (CA INDEX NAME)



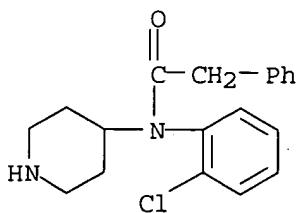
● HCl

RN 63258-89-9 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-(4-chlorophenyl)-N-4-piperidinyl-,
 monohydrochloride (9CI) (CA INDEX NAME)



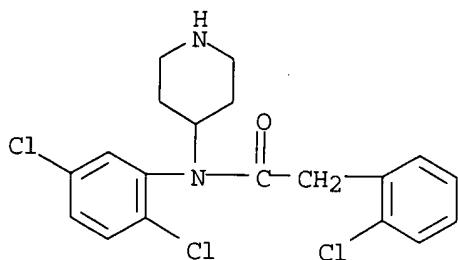
● HCl

IT 63258-70-8 74555-75-2
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (N-alkylation of)
 RN 63258-70-8 CAPLUS
 CN Benzeneacetamide, N-(2-chlorophenyl)-N-4-piperidinyl- (9CI) (CA INDEX
 NAME)

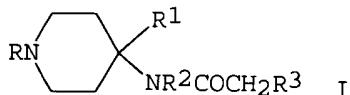


RN 74555-75-2 CAPLUS
 CN Benzeneacetamide, 2-chloro-N-(2,5-dichlorophenyl)-N-4-piperidinyl- (9CI)

(CA INDEX NAME)



GI



AB **Piperidines I** (R = **cycloalkyl**; R¹ = alkoxy carbonyl; R² = Ph, halophenyl, alkylphenyl; R³ = Ph, halo-, alkyl-, hydroxy-, or alkoxyphenyl), which exhibited antiarrhythmic activity, were prepd. For example, I (R = R¹ = H, R² = 4-ClC₆H₄, R³ = 2-thienyl) was treated with Me₂CHBr to give I (R = CHMe₂, R¹ = H, R² = 4-ClC₆H₄, R³ = 2-thienyl). Reaction of Me 1-isopropyl-4-anilino-4-piperidinecarboxylate with 4-ClC₆H₄CH₂COCl give I (R = CHMe₂, R¹ = CO₂Me, R² = Ph, R³ = 4-ClC₆H₄).

=> d 110 fbib hitstr abs total

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
AN 1995:648089 CAPLUS

DN 123:55707

TI Preparation of hindered bis(piperidinylaminocarbonyl)benzene derivatives as photostabilizers

IN Minafuji, Mitsumasa; Seko, Toshio; Sasaki, Satoru

PA Mitsubishi Kagaku Kk, Japan

SO Jpn. Kokai Tokkyo Koho, 10 pp.

CODEN: JKXXAF

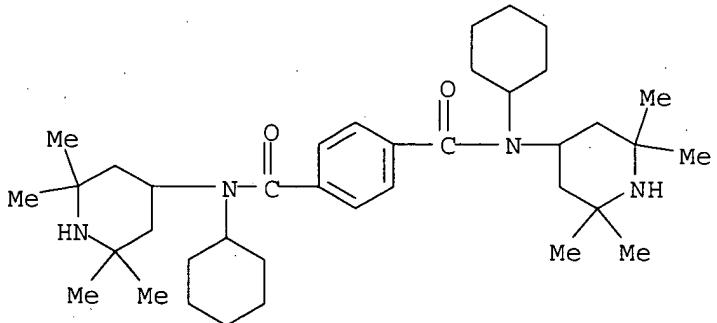
DT Patent

LA Japanese

FAN.CNT 1

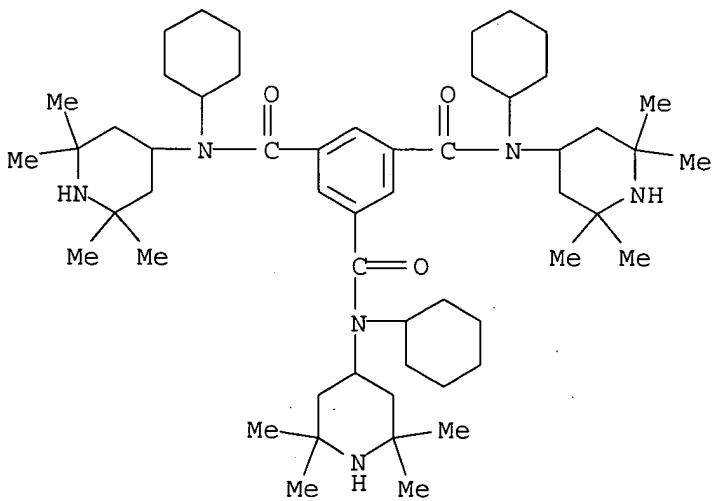
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|--------|----------|-----------------|----------|
| PI | JP 07033738 | A2 | 19950203 | JP 1993-181691 | 19930722 |
| | | | | JP 1993-181691 | 19930722 |
| OS | MARPAT 123:55707 | | | | |
| IT | 164343-22-0P 164343-24-2P | | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) | | | | |
| | (intermediate for prepn. of hindered bis(piperidinylaminocarbonyl)benzene derivs. as photostabilizers) | | | | |
| RN | 164343-22-0 | CAPLUS | | | |

CN 1,4-Benzenedicarboxamide, N,N'-dicyclohexyl-N,N'-bis(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)

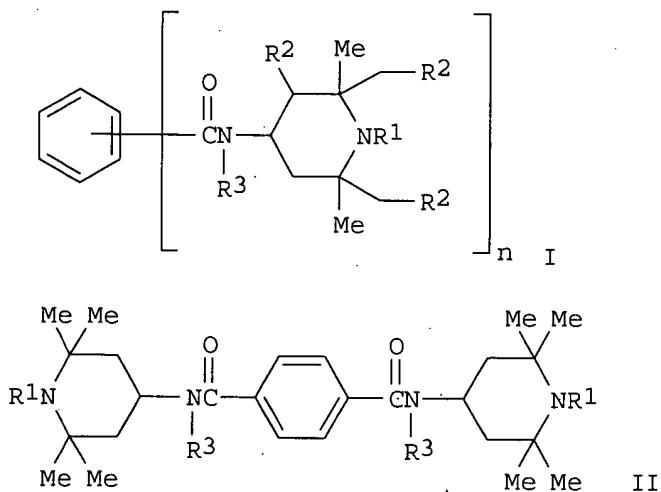


RN 164343-24-2 CAPLUS

CN 1,3,5-Benzenetricarboxamide, N,N',N'''-tricyclohexyl-N,N',N'''-tris(2,2,6,6-tetramethyl-4-piperidinyl)- (9CI) (CA INDEX NAME)



GI



AB The title compds. (I; R₁ = C₁-4 alkyl; R₂ = H, Me; R₃ = C₁-20 alkyl, cycloalkyl, aryl, **arylalkyl**; n = 1-4), which are solid photostabilizers for easy handling, and show excellent radical-scavenging capability and compatibility with resins, are prep'd. Thus, 8.5 g terephthaloyl chloride was added to a stirred mixt. of 19.1 g 4-cyclohexylamino-2,2,6,6-tetramethylpiperidine, 16.2 g Et₃N, and 300 mL 1,4-dioxane followed by stirring the mixt. at room temp. for 8 h to give a precursor (II; R₁ = H, R₃ = cyclohexyl), which was methylated by 37% formaldehyde and formic acid in dioxane to give a title compd. II (R₁ = Me, R₃ = cyclohexyl) (70% overall yield) (III). An isotactic polypropylene sheet contg. 0.2 wt. part/100 wt. part polypropylene showed photodegrdn. after irradiating it with a 65/XW-WR xenon weather meter at 80.degree. for 680 h vs. 460 h for a polypropylene sheet contg. II (R₁ = R₃ = H).

=> d 111 fbib hitstr abs total

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 2001:676749 CAPLUS
 DN 135:242140.
 TI Preparation of N-piperidinyl-N-alkyl-acetamides and N,N,N'-substituted ureas as 5-HT2A inverse agonists/antagonists
 IN Andersson, Carl M.; Croston, Glenn; Hansen, E. L.; Uldam, A. K.
 PA Acadia Pharmaceuticals, Inc., USA
 SO PCT Int. Appl., 150 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|---|----------|-----------------|----------|
| PI | WO 2001066521 | A1 | 20010913 | WO 2001-US7187 | 20010306 |
| | W: | AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, | | | |

AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
 DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
 BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG

US 2002004513 A1 20020110 US 2001-800096 20010306
 US 2000-187289PP 20000306

EP 1263729 A1 20021211 EP 2001-914716 20010306
 US 2000-187289PP 20000306

R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR

US 2000-187289PP 20000306

WO 2001-US7187 W 20010306

OS MARPAT 135:242140

IT 359877-51-3P 359877-74-0P 359877-77-3P

359877-79-5P 359877-82-0P 359877-85-3P

359877-88-6P 359877-90-0P 359877-93-3P

359877-96-6P 359878-01-6P 359878-02-7P

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359878-06-1P 359878-07-2P 359878-08-3P

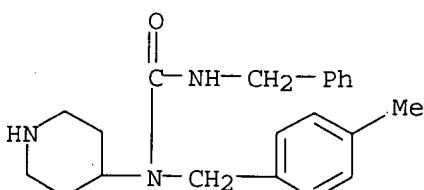
359878-09-4P 359878-14-1P 359878-31-2P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)

(drug; prepn. of N-piperidinyl-N-alkyl-aryl-acetamides and
 N,N,N'-substituted ureas as 5-HT2A inverse agonists)

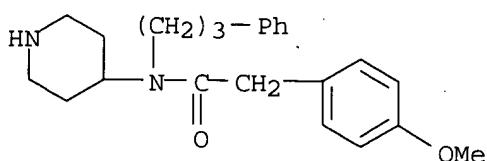
RN 359877-51-3 CAPLUS

CN Urea, N-[(4-methylphenyl)methyl] -N'-(phenylmethyl) -N-4-piperidinyl- (9CI)
 (CA INDEX NAME)



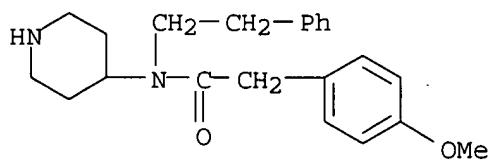
RN 359877-74-0 CAPLUS

CN Benzeneacetamide, 4-methoxy-N-(3-phenylpropyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)

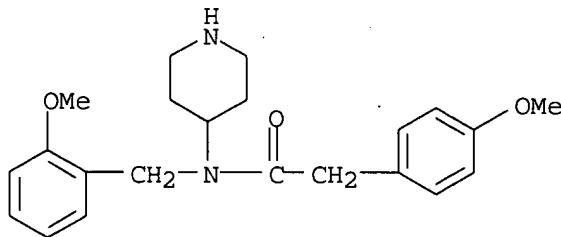


RN 359877-77-3 CAPLUS

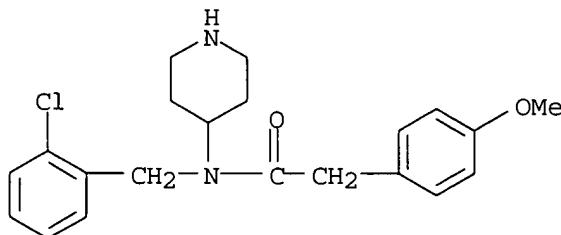
CN Benzeneacetamide, 4-methoxy-N-(2-phenylethyl)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



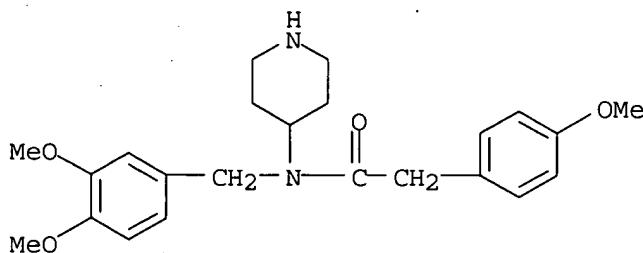
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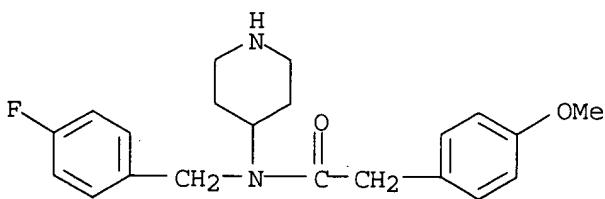
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 CN Benzeneacetamide, N-[(2-chlorophenyl)methyl]-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



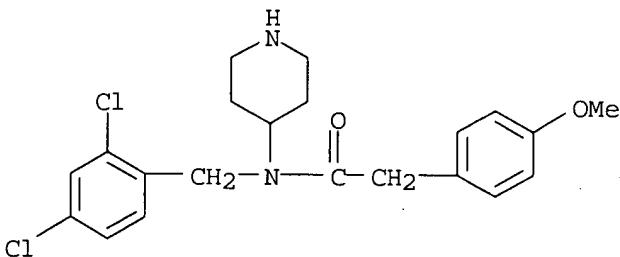
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 CN Benzeneacetamide, N-[(3,4-dimethoxyphenyl)methyl]-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



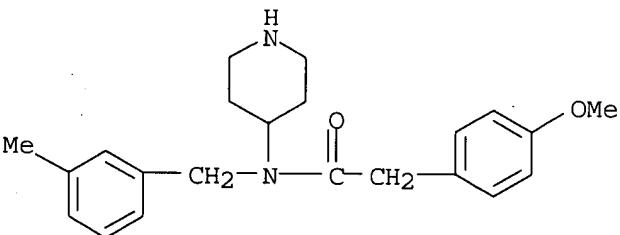
RN 359877-88-6 CAPLUS
 CN Benzeneacetamide, N-[(4-fluorophenyl)methyl]-4-methoxy-N-4-piperidinyl- (9CI) (CA INDEX NAME)



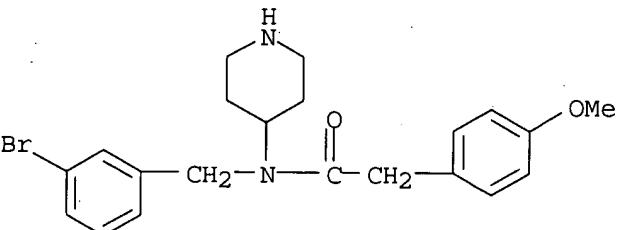
RN 359877-90-0 CAPLUS

CN Benzeneacetamide, N-[(2,4-dichlorophenyl)methyl]-4-methoxy-N-4-piperidinyl-
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RN 359877-93-3 CAPLUS

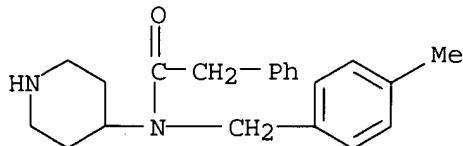
CN Benzeneacetamide, 4-methoxy-N-[(3-methylphenyl)methyl]-N-4-piperidinyl-
(9CI) (CA INDEX NAME)

RN 359877-96-6 CAPLUS

CN Benzeneacetamide, N-[(3-bromophenyl)methyl]-4-methoxy-N-4-piperidinyl-
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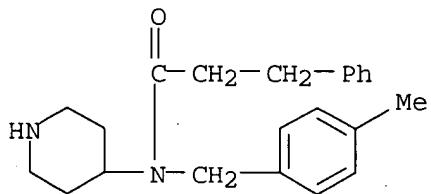
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CN Benzeneacetamide, N-[(4-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA
INDEX NAME)



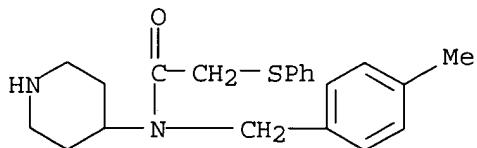
RN 359878-02-7 CAPLUS

CN Benzenepropanamide, N-[(4-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



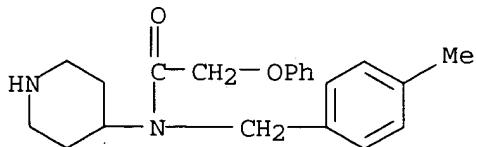
RN 359878-03-8 CAPLUS

CN Acetamide, N-[(4-methylphenyl)methyl]-2-(phenylthio)-N-4-piperidinyl- (9CI) (CA INDEX NAME)



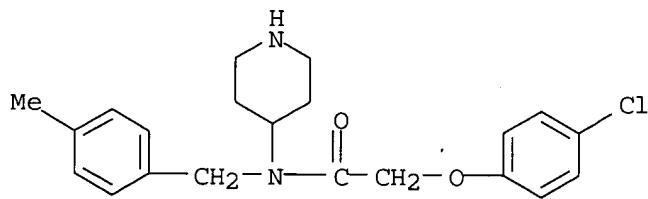
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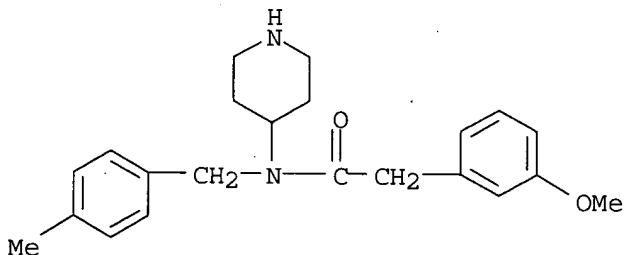


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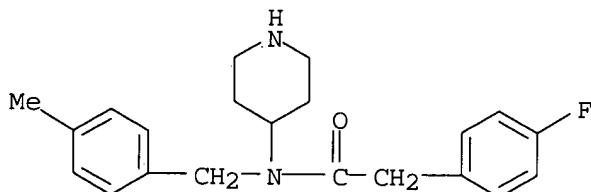
CN Acetamide, 2-(4-chlorophenoxy)-N-[(4-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



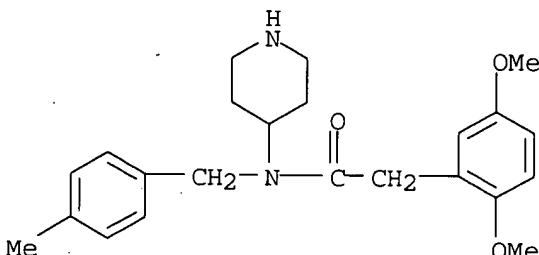
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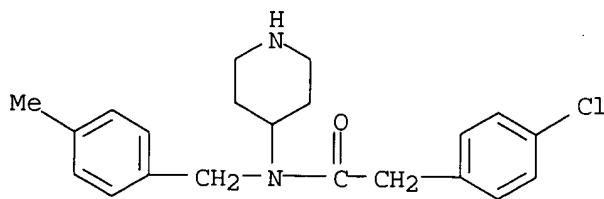
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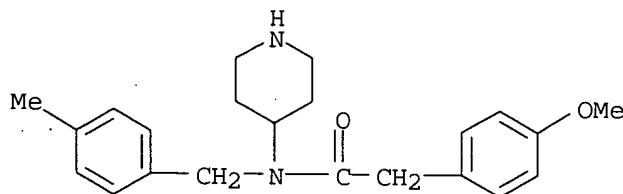
RN 359878-08-3 CAPLUS
 CN Benzeneacetamide, 2,5-dimethoxy-N-[(4-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



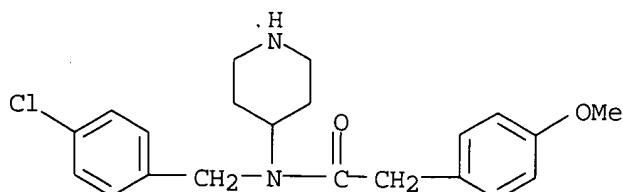
RN 359878-09-4 CAPLUS
 CN Benzeneacetamide, 4-chloro-N-[(4-methylphenyl)methyl]-N-4-piperidinyl- (9CI) (CA INDEX NAME)



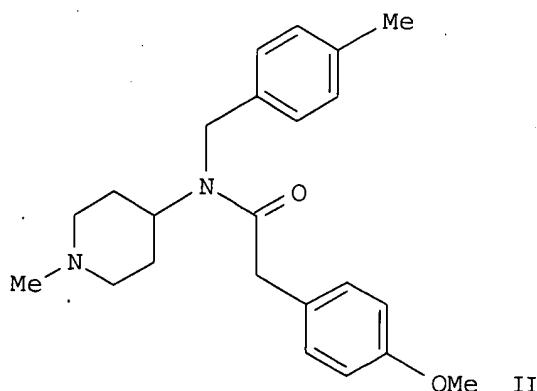
RN 359878-14-1 CAPLUS
 CN Benzeneacetamide, 4-methoxy-N-[(4-methylphenyl)methyl]-N-4-piperidinyl-(9CI) (CA INDEX NAME)



RN 359878-31-2 CAPLUS
 CN Benzeneacetamide, N-[(4-chlorophenyl)methyl]-4-methoxy-N-4-piperidinyl-(9CI) (CA INDEX NAME)



GI



AB Title compds. Ar₁-Y₂-Y₁-N(Z)-C:W-X₁-X₂-Ar₂ [Z = NR-substituted piperidinyl, tropanyl, azetidinyl, etc.; R = H, cyclic/straight-chain acyclic organyl group, hydroxyalkyl, **aminoalkyl**, aralkyl or heteroaralkyl group; X₁ = CH₂, vinylene, NH or N-alkyl; X₂ = CH₂, or, when X₁ = CH₂ or vinylene, X₂ = CH₂ or a bond; or when X₁ is CH₂, X₂ = O, S, NH, N(lower alkyl) or a bond; Y₁ = CH₂ and Y₂ = CH₂, vinylene, ethylene, propylene, bond; or Y₁ = bond and Y₂ = vinylene; or Y₁ = ethylene and Y₂ = O, S, NH, N(lower alkyl); Ar₁ and Ar₂ = (un)substituted (hetero)aryl provided that Ar₁ and Ar₂ are not simultaneously phenyl; W = O, S; I] were prepd. Examples include over 130 compds. synthesized, 5 serotonin receptor binding assays and 3 in-vivo models. For instance, 4-methylbenzylamine was reductively alkylated with 1-methyl-4-piperidone (MeOH, HOAc, NaCNBH₃, 20 h., room temp.). The resulting amine was alkylated with 4-methoxyphenylacetyl chloride (DCM, 4 h., room temp.) to give II, isolated as the hydrochloride salt and subsequently purified by chromatog. Many of the examples had pIC₅₀ (-log IC₅₀) = 7.8 - 9.0 for HT2A. I are used for the treatment of disease in which modification of serotonergic receptor activity has a beneficial effect.

RE.CNT 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 112 fbib hitstr abs total

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2003 ACS
 AN 2002:813938 CAPLUS
 DN 137:337907
 TI Preparation of N-(heteroarylalkyl)acylamides as CXCR3 antagonists for treatment of inflammatory or immune conditions
 IN Medina, Julio C.; Johnson, Michael G.; Li, An-Rong; Liu, Jiwen; Huang, Alan Xi; Zhu, Liusheng; Marcus, Andrew P.
 PA Tularik Inc., USA
 SO PCT Int. Appl., 205 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|--|----------|------------------|----------|
| PI | WO 2002083143 | A1 | 20021024 | WO 2001-US47850 | 20011211 |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | US 2000-255241PP | 20001211 |
| | | | | US 2001-296499PP | 20010606 |
| US | 2002169159 | A1 | 20021114 | US 2001-15532 | 20011211 |
| | | | | US 2000-255241PP | 20001211 |
| US | 2003069234 | A1 | 20030410 | US 2001-296499PP | 20010606 |
| | | | | US 2002-164690 | 20020606 |
| | | | | US 2001-296499PP | 20010606 |

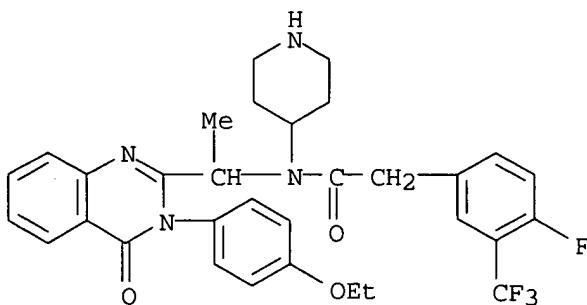
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| US 2003055054 | A1 | 20030320 | US 2002-231895 | 20020829 |
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| | | | US 2001-15532 | A120011211 |

OS MARPAT 137:337907

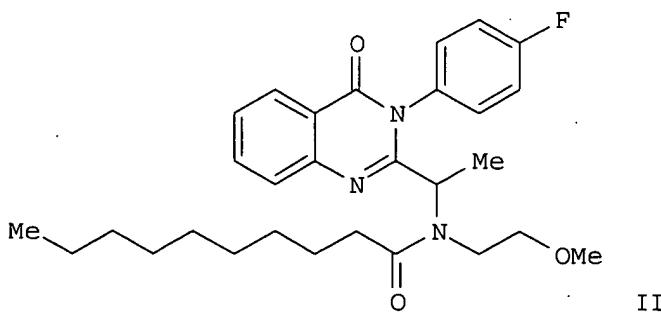
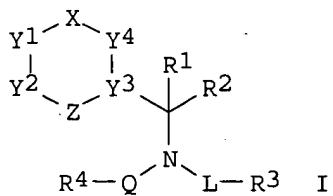
IT 473907-65-2P, T 0913409

RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (CXCR3 antagonist; prepn. of N-(heteroarylalkyl)acylamides as CXCR3 antagonists for treatment of inflammatory or immune conditions)

RN 473907-65-2 CAPLUS

CN Benzeneacetamide, N-[1-[3-(4-ethoxyphenyl)-3,4-dihydro-4-oxo-2-quinazolinyl]ethyl]-4-fluoro-N-4-piperidinyl-3-(trifluoromethyl)- (9CI)
 (CA INDEX NAME)

GI



AB Title compds. I [wherein X = a bond, CO, CR5R6, CR5;, SO, SO2, or N: ; Z =

a bond, N:, O, S, NR17, or CR7: ; with the proviso that X and Z are not both a bond; L = CO-alkylene or (hetero)alkylene; Q = (hetero)alkylene, CO, OCO, NR8CO, CH₂CO, CH₂SO, or CH₂SO₂; or NLQ = heterocyclyl; R1 and R2 = independently H, (hetero)alkyl, or (hetero)aryl; or CR1R2 = (hetero)cyclyl; or CNR2L = heterocyclyl; R3 = OH, alkoxy, NH₂, (di)alkylamino, **heteroalkyl**, heterocyclyl, acylaminoamidino, guanidino, ureido, CN, heteroaryl, carbamoyl, or carboxy; R4 = (hetero)alkyl, (hetero)aryl, etc.; R5 and R6 = independently H, (hetero)alkyl, or (hetero)aryl; or CR5R6 = a ring; R7 and R8 = independently H, (hetero)alkyl, or (hetero)aryl; Y1 and Y2 = independently CR12: N:, O, S, or NR13; Y3 = N or C, wherein C shares a double bond with either Z or Y4; Y4 = NR14, CR14:, N:, NR14CR15R16; R12 = H, halo, OH, NH₂, (di)alkylamino, (hetero)alkyl, or (hetero)aryl, with provisos; R13 = H, (hetero)alkyl, (hetero)aryl, etc.; R14 = (hetero)alkyl, (hetero)aryl, etc.; R15 and R16 = independently H or (hetero)alkyl; R17 = H, (hetero)alkyl, (hetero)aryl, etc.; with provisos] were prepd. as chemokine receptor modulators, in particular CXCR3 antagonists. For example, anthranilic acid was acylated with propionyl chloride and the amide cyclized using acetic anhydride to give 2-ethylbenzo[d][1,3]oxazine-4-one. Treatment with 4-fluoroaniline, followed by ethylene glycol and NaOH afforded 2-ethyl-3-(4-fluorophenyl)-3H-quinazolin-4-one. Bromination and stepwise addn. of 1-amino-2-methoxyethane and decanoyl chloride produced the decanoic acid (quinazolinylethyl) (methoxyethyl)amide II. Approx. one third of the 101 invention compds. tested in a CXCR3 binding assay displayed activity with IC₅₀ values of < 1 .mu.M. I are useful for the treatment of inflammatory and immunoregulatory disorders and diseases, such as multiple sclerosis, rheumatoid arthritis, and type I diabetes (no data).

RE.CNT 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

| => d cost | | | |
|--|------------------|---------------|--|
| COST IN U:S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION | |
| CONNECT CHARGES | 5.78 | 6.27 | |
| NETWORK CHARGES | 1.02 | 1.14 | |
| SEARCH CHARGES | 24.60 | 172.35 | |
| DISPLAY CHARGES | 259.63 | 259.63 | |
| | ----- | ----- | |
| CAPLUS FEE (5%) | 291.03 | 439.39 | |
| | 14.50 | 14.50 | |
| FULL ESTIMATED COST | 305.53 | 453.89 | |
| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION | |
| CA SUBSCRIBER PRICE | -29.30 | -29.30 | |

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